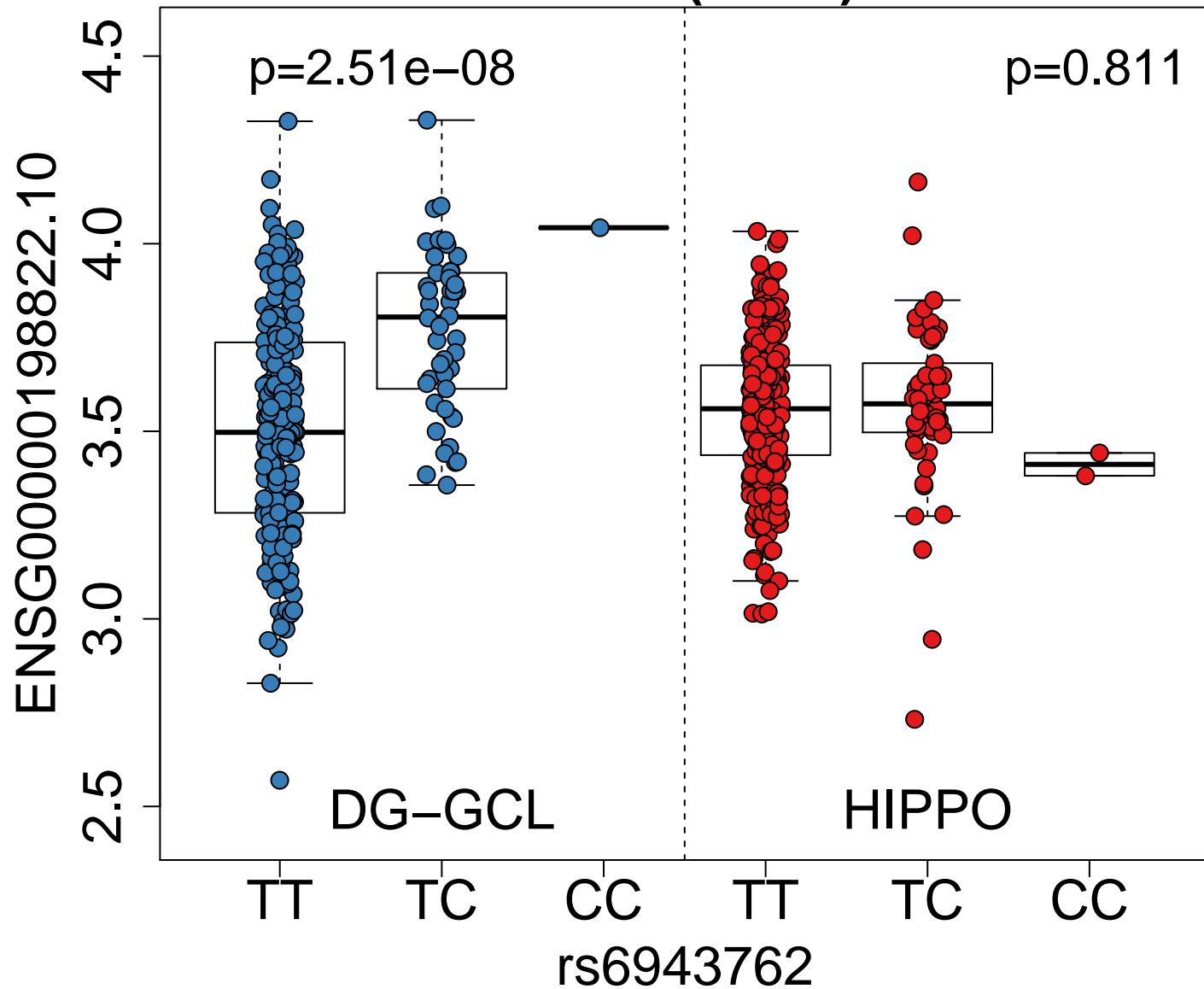


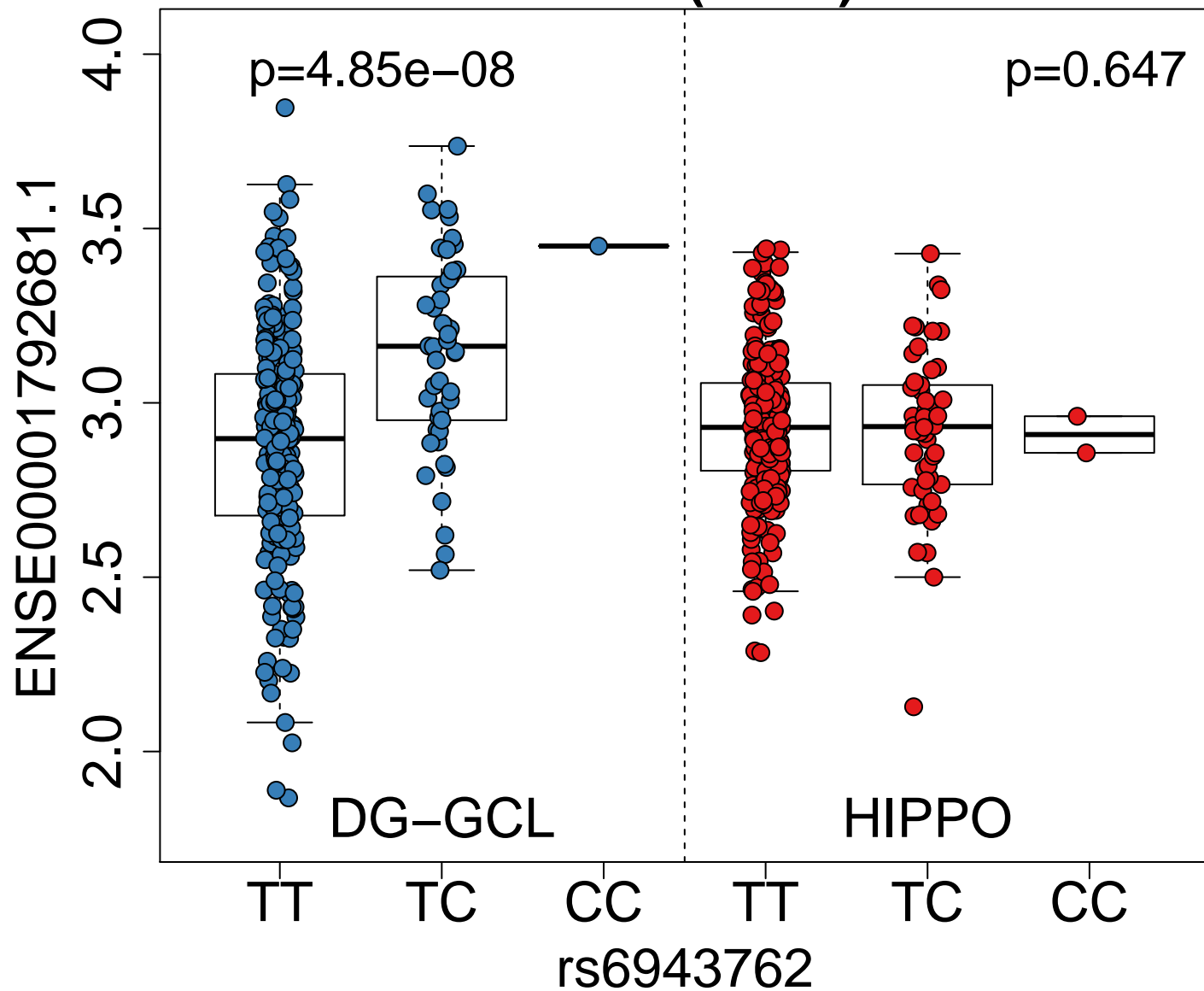
Index: rs12704290 ($R^2=0.817$)

GRM3 (Gene)



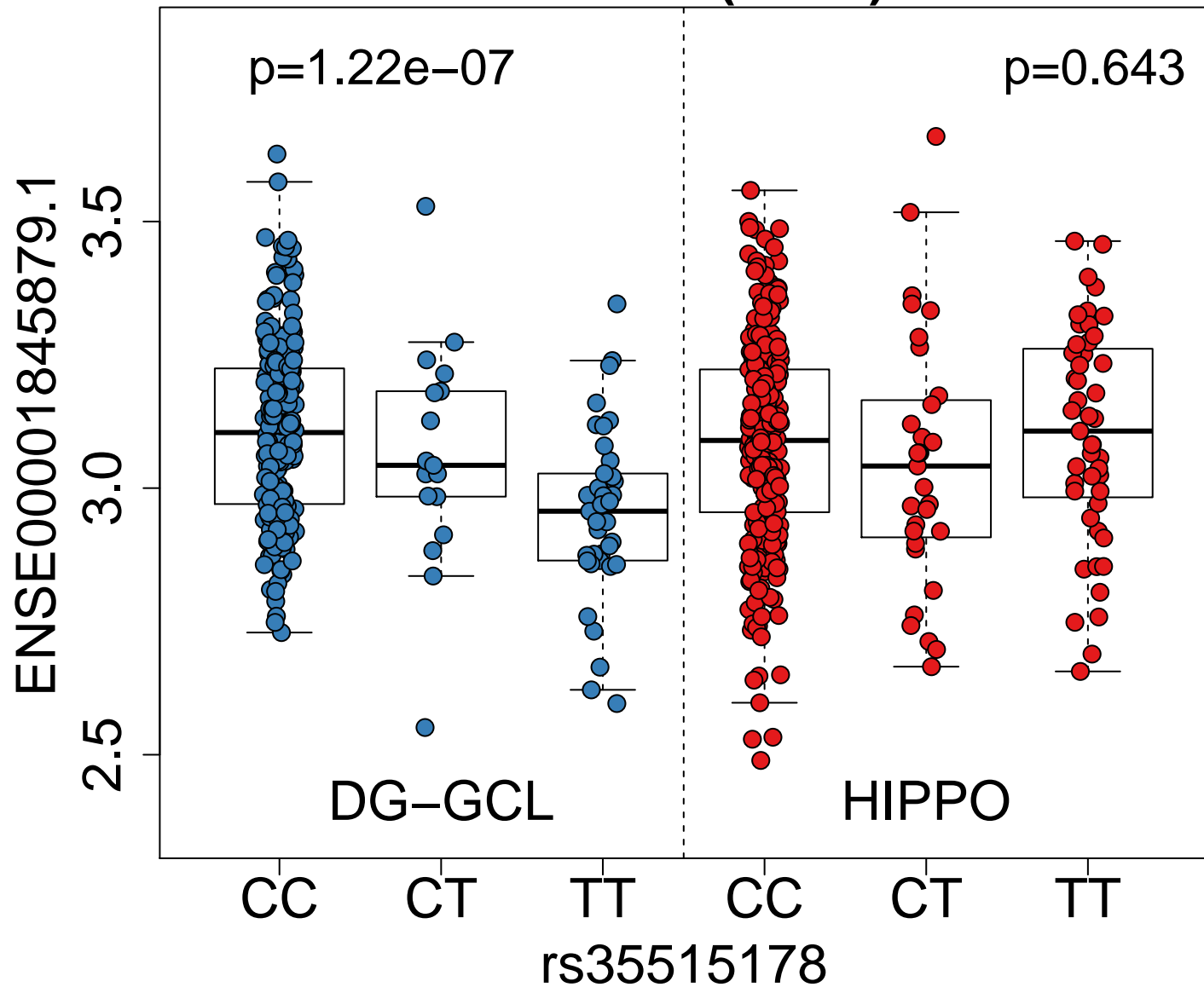
Index: rs12704290 ($R^2=0.817$)

GRM3 (Exon)



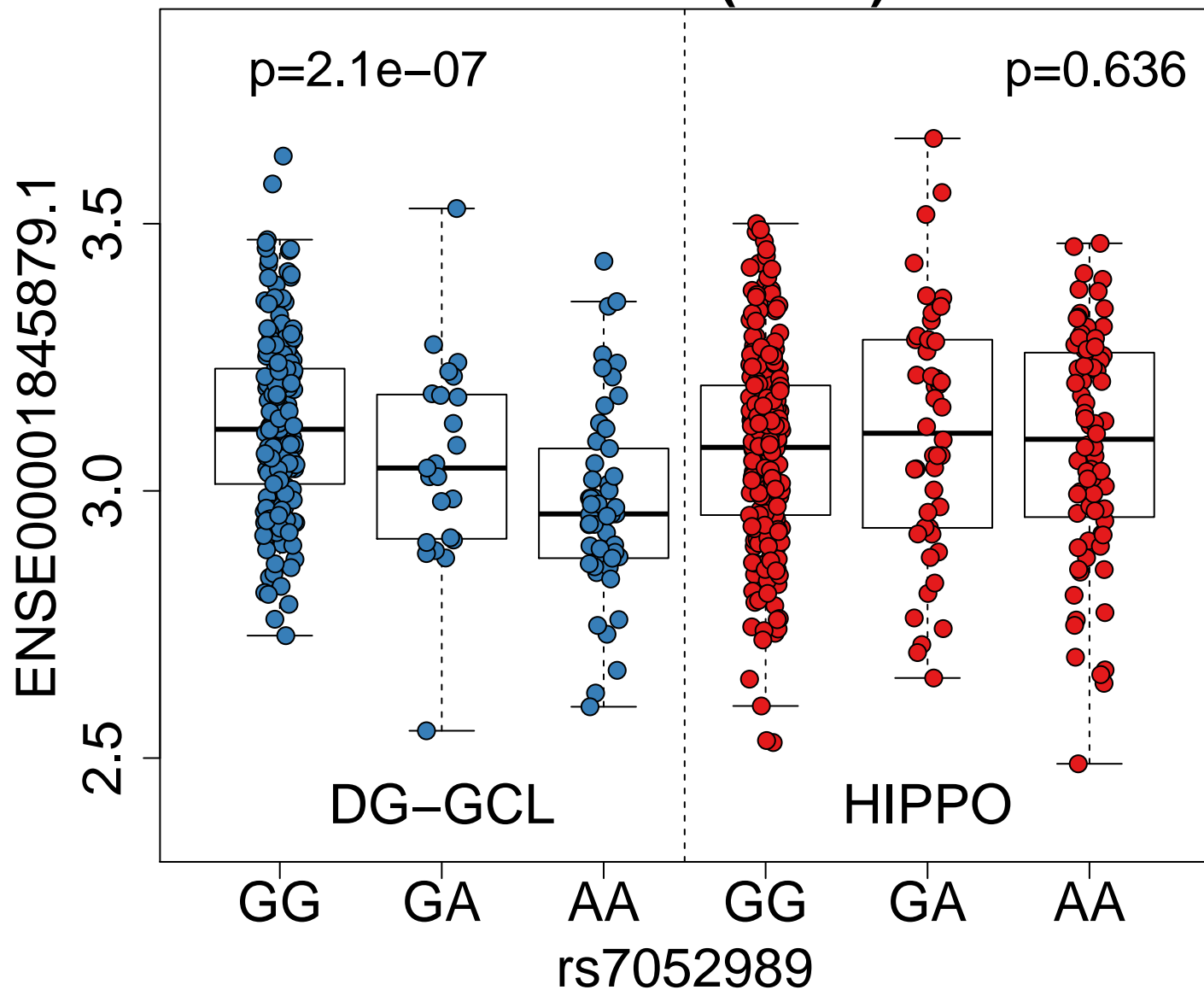
Index: rs12009217 ($R^2=0.949$)

NLGN4X (Exon)



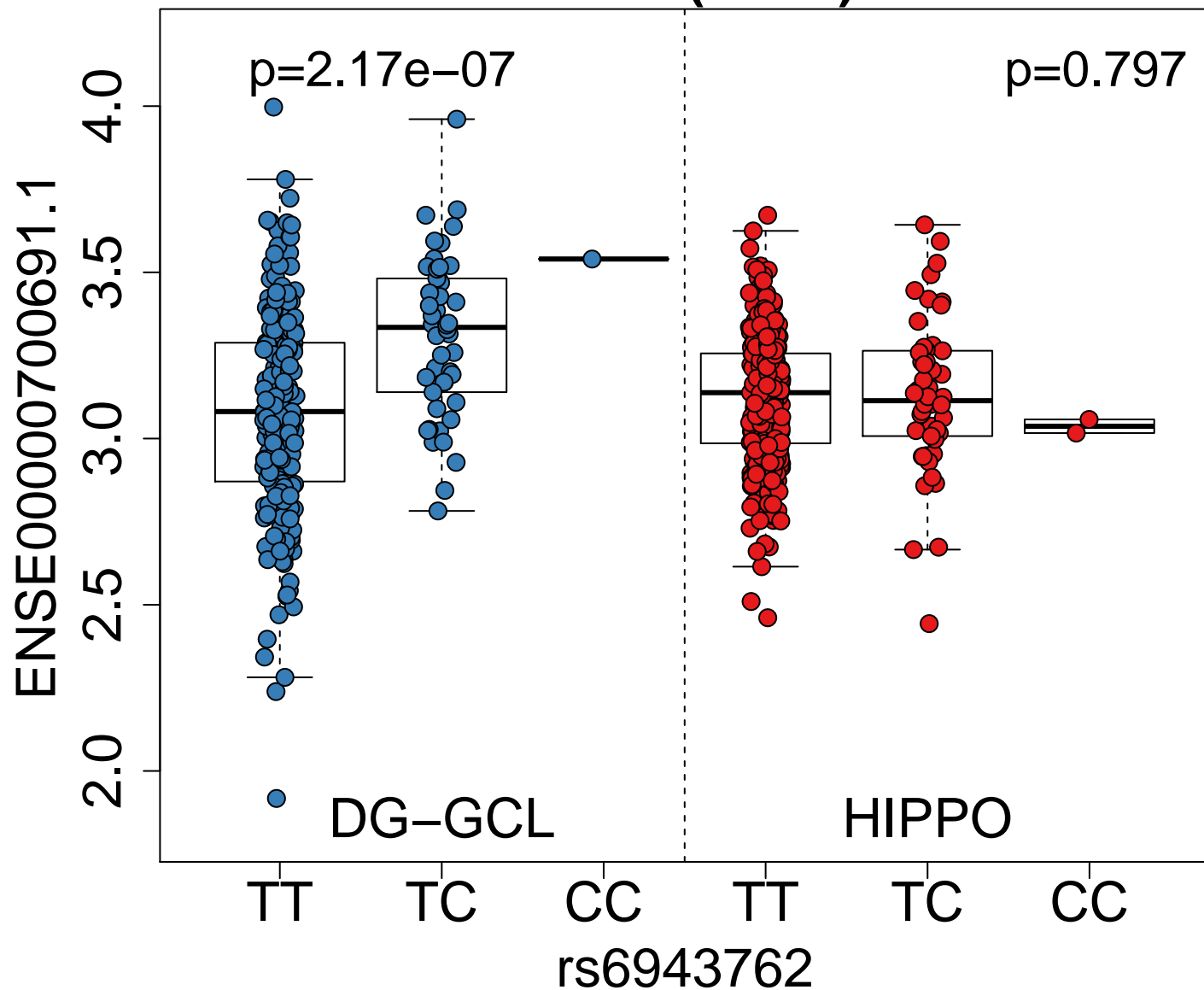
Index: rs12009217 ($R^2=0.974$)

NLGN4X (Exon)



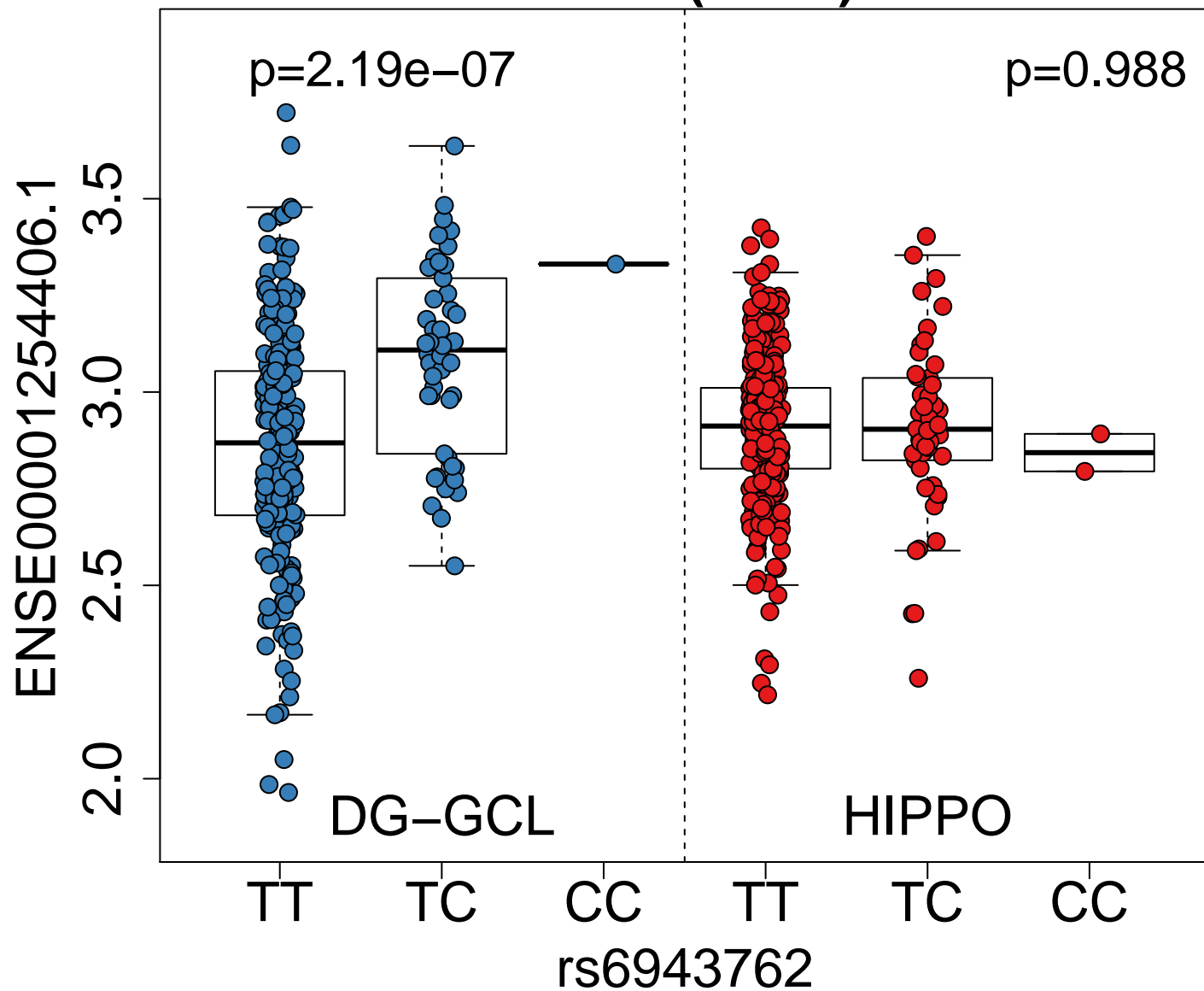
Index: rs12704290 ($R^2=0.817$)

GRM3 (Exon)



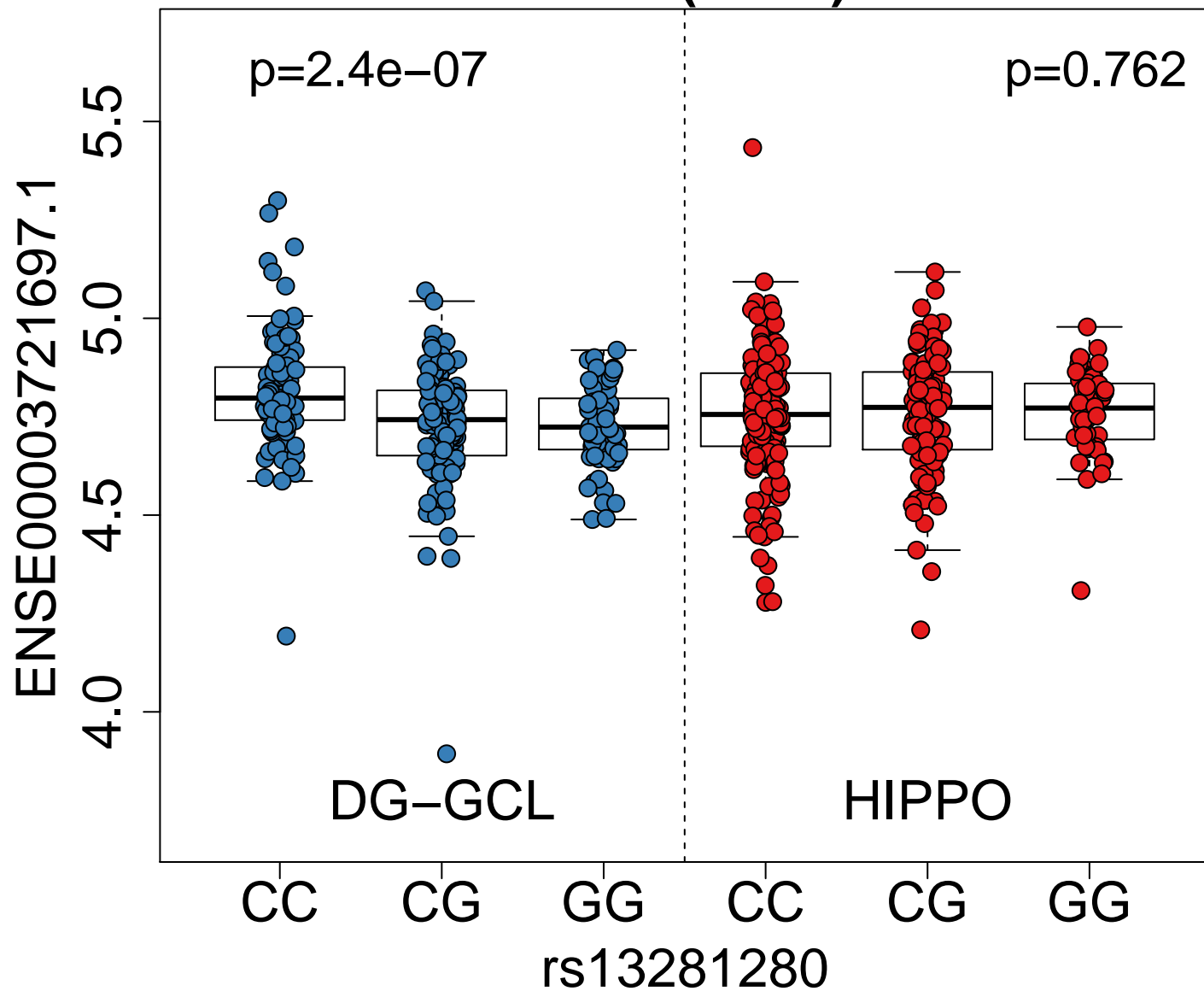
Index: rs12704290 ($R^2=0.817$)

GRM3 (Exon)



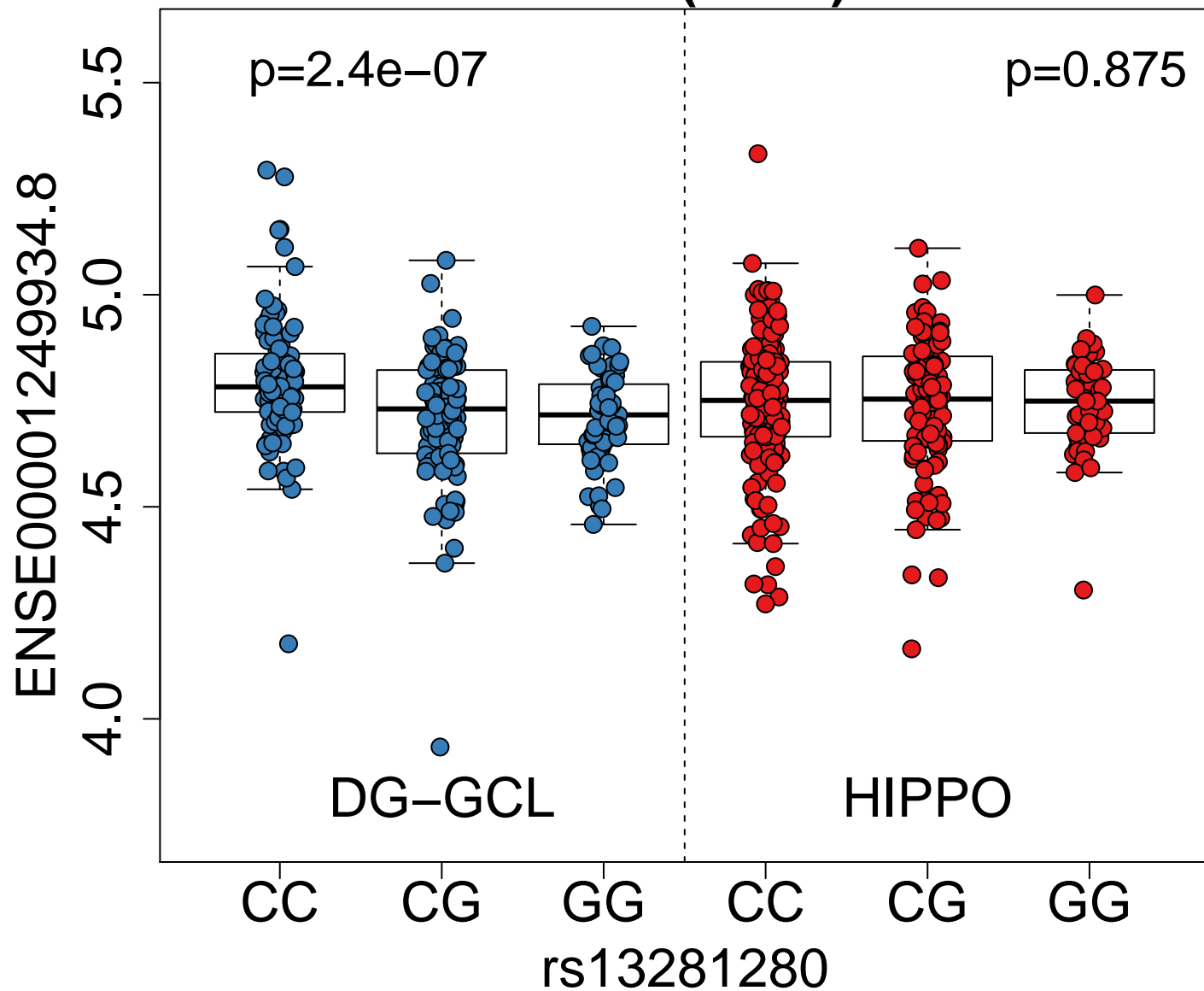
Index: rs2410572 ($R^2=0.968$)

PSD3 (Exon)



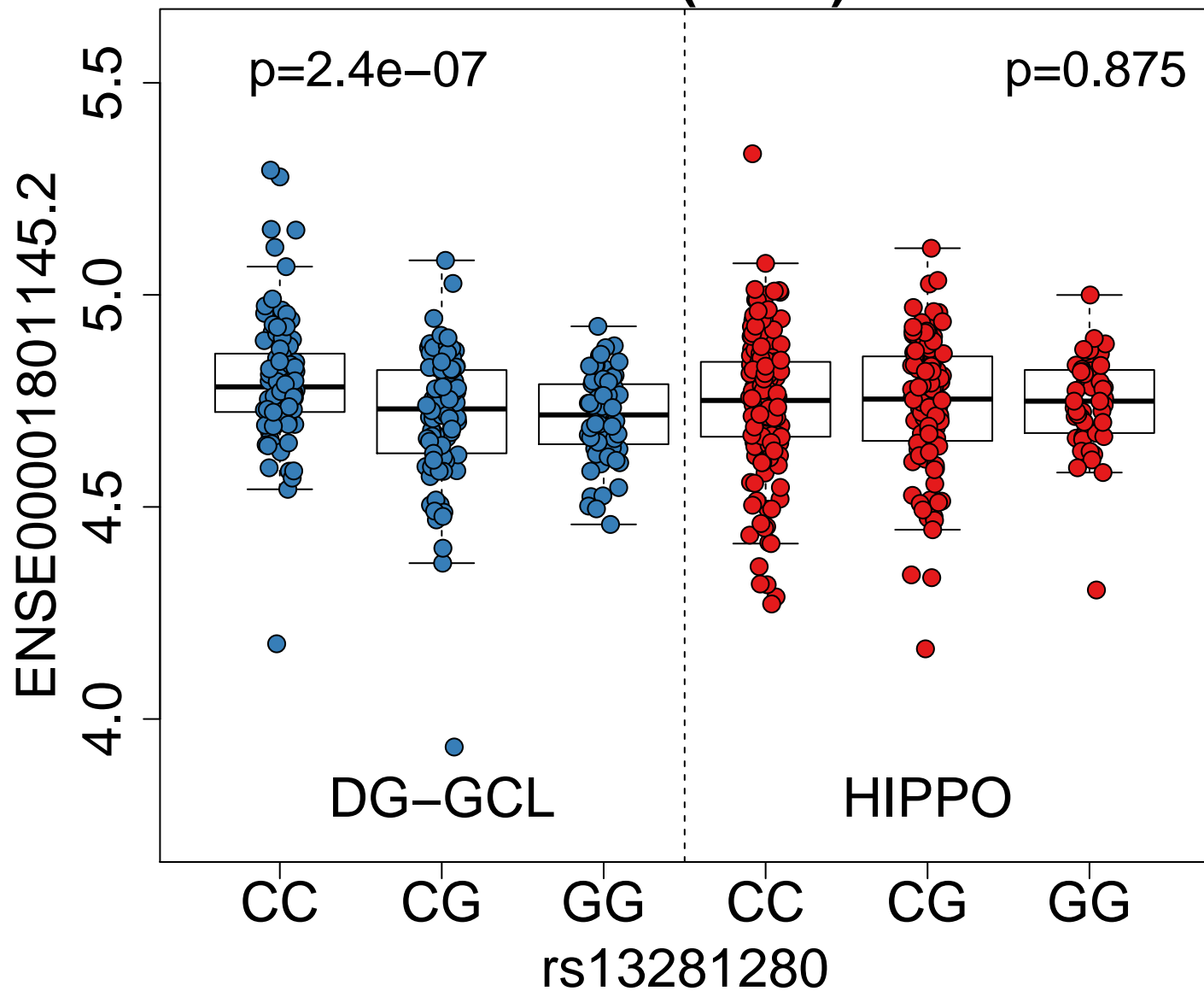
Index: rs2410572 ($R^2=0.968$)

PSD3 (Exon)



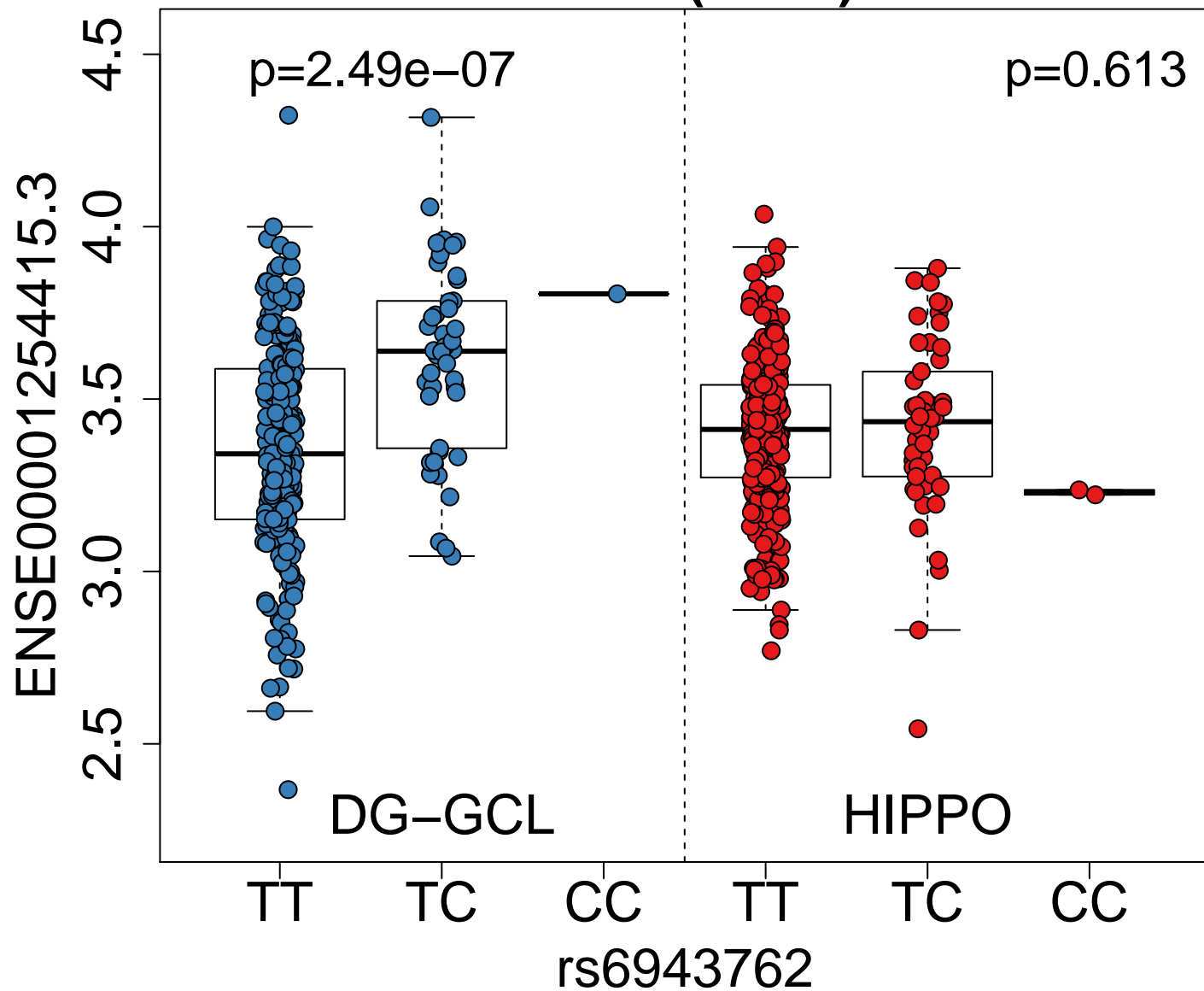
Index: rs2410572 ($R^2=0.968$)

PSD3 (Exon)



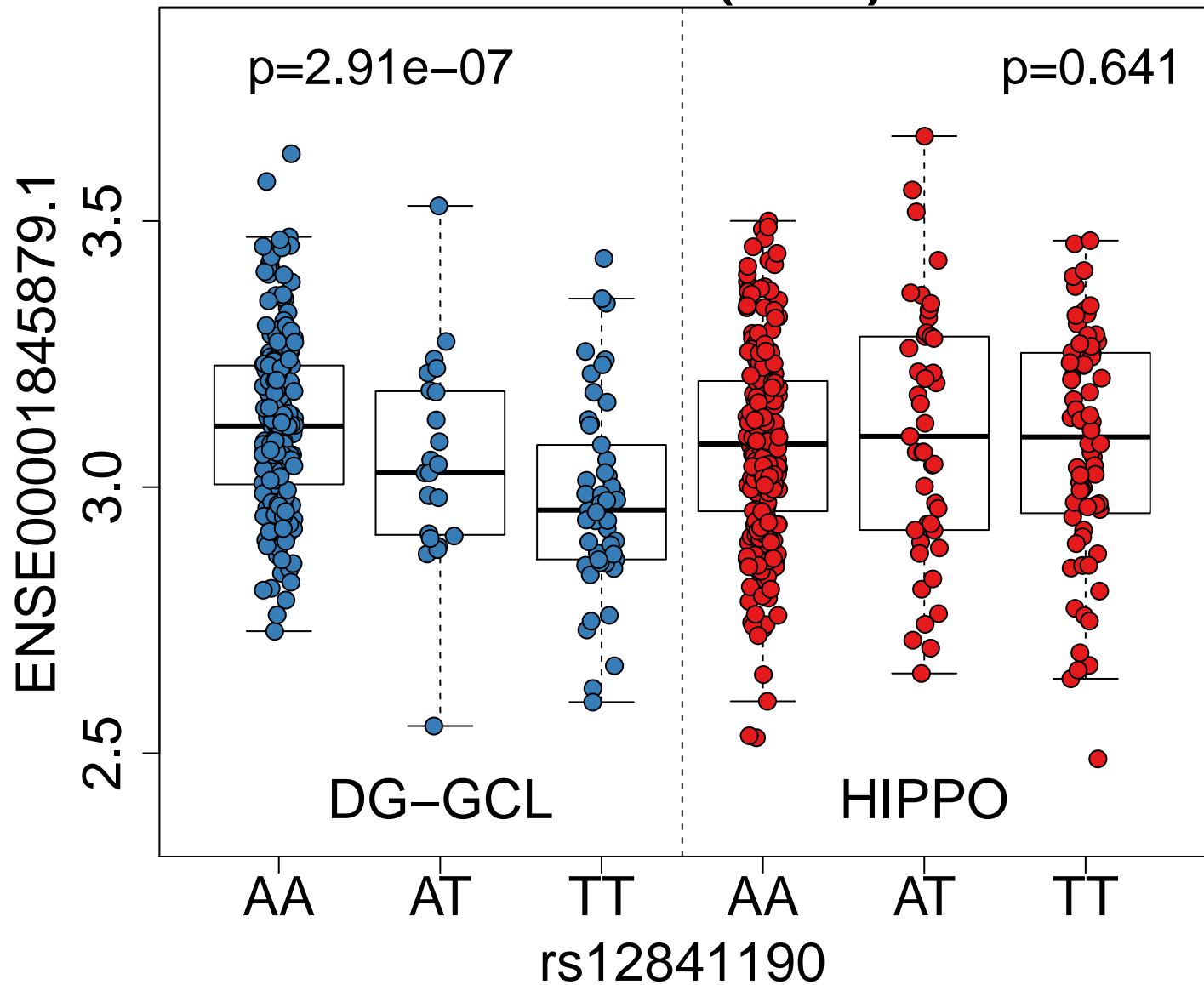
Index: rs12704290 ($R^2=0.817$)

GRM3 (Exon)



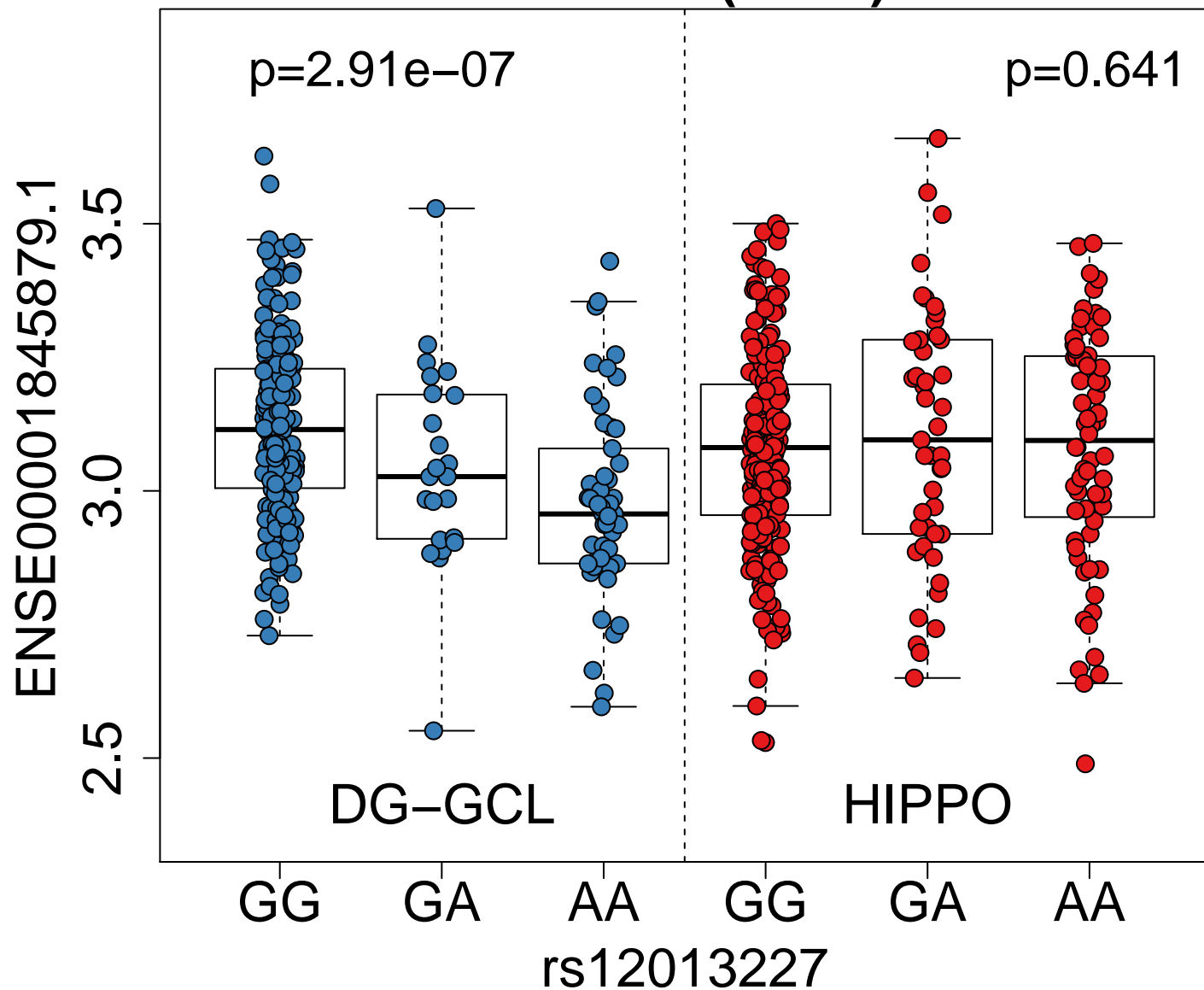
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



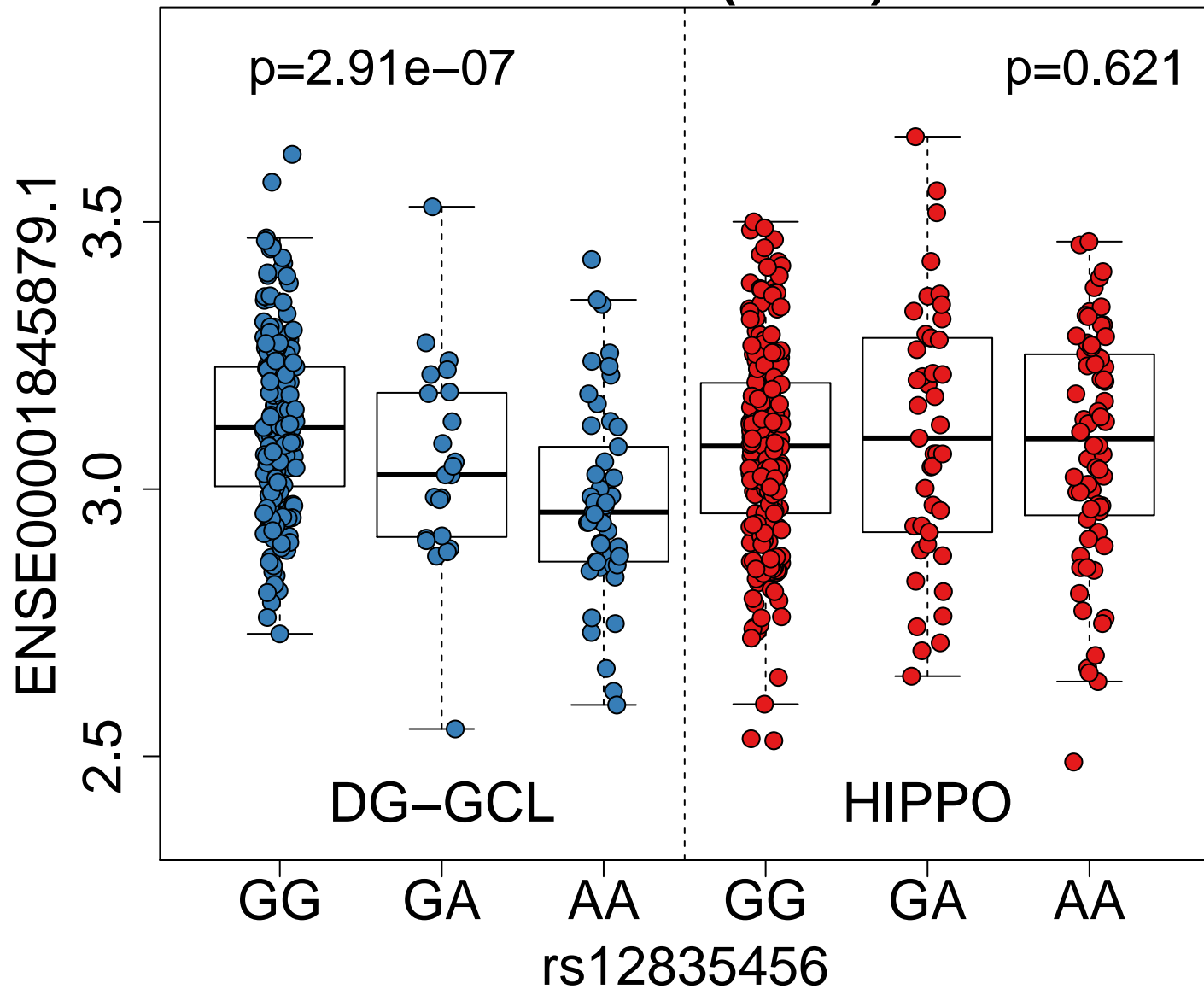
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



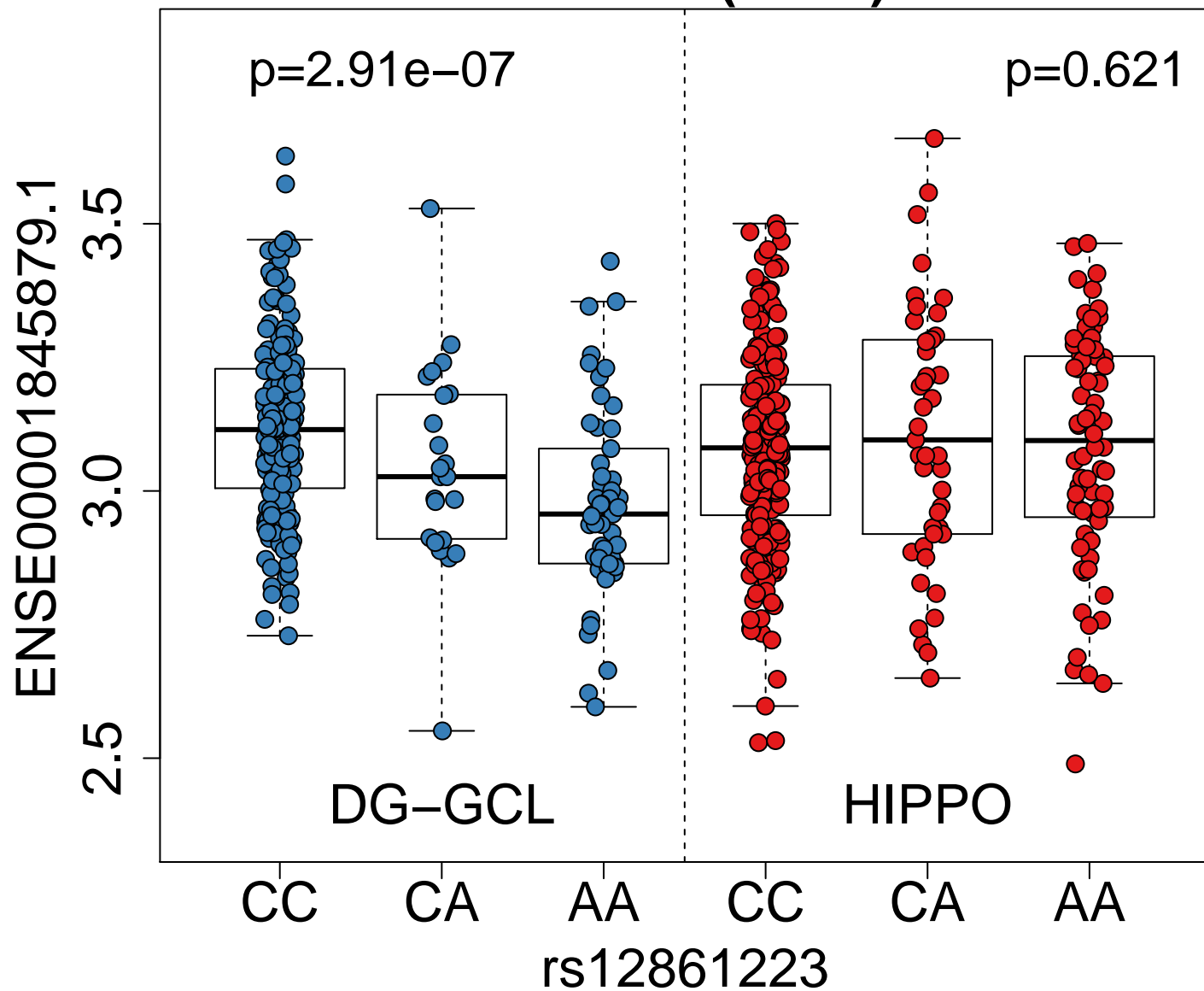
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



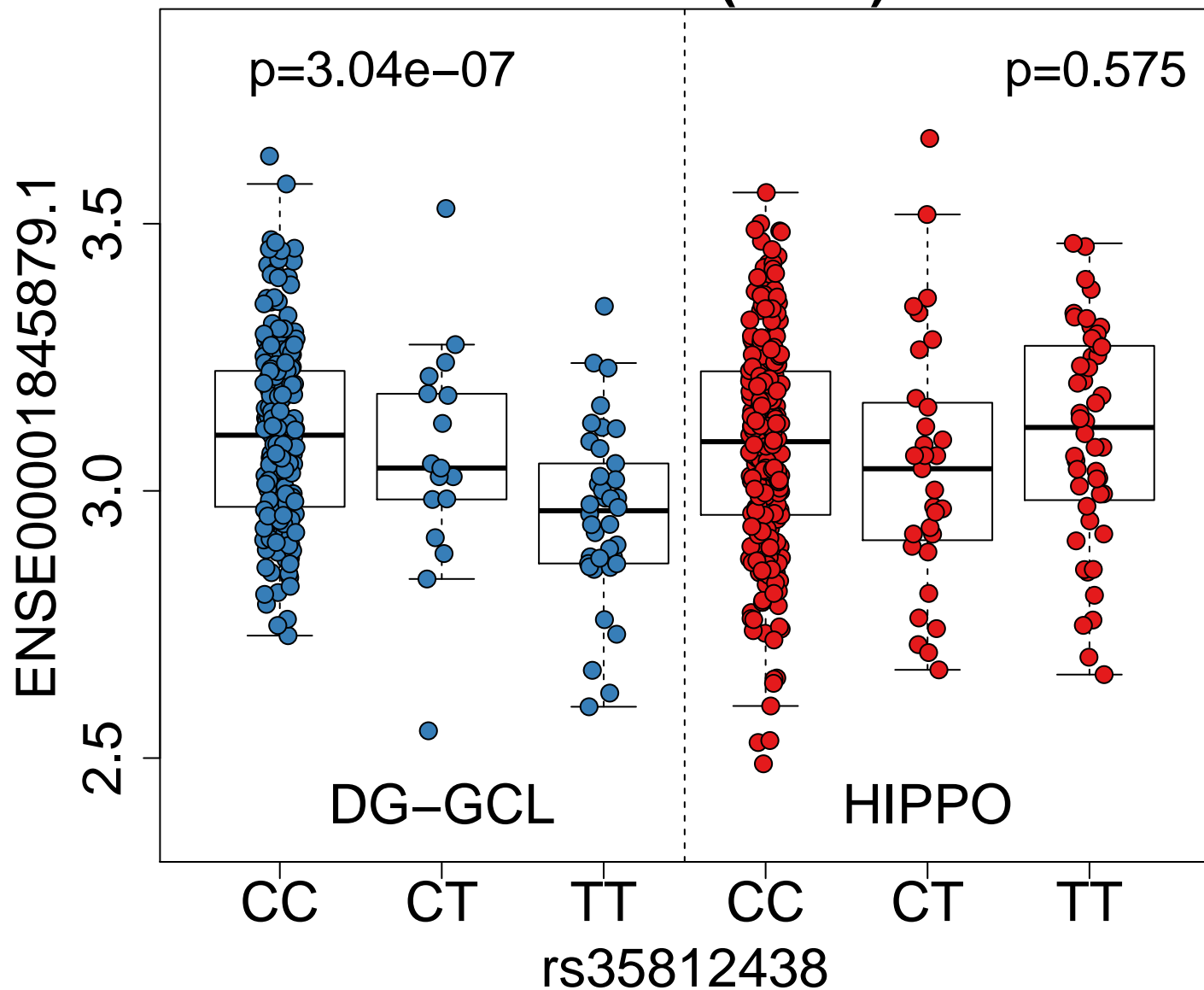
Index: rs12009217 ($R^2=0.983$)

NLGN4X (Exon)



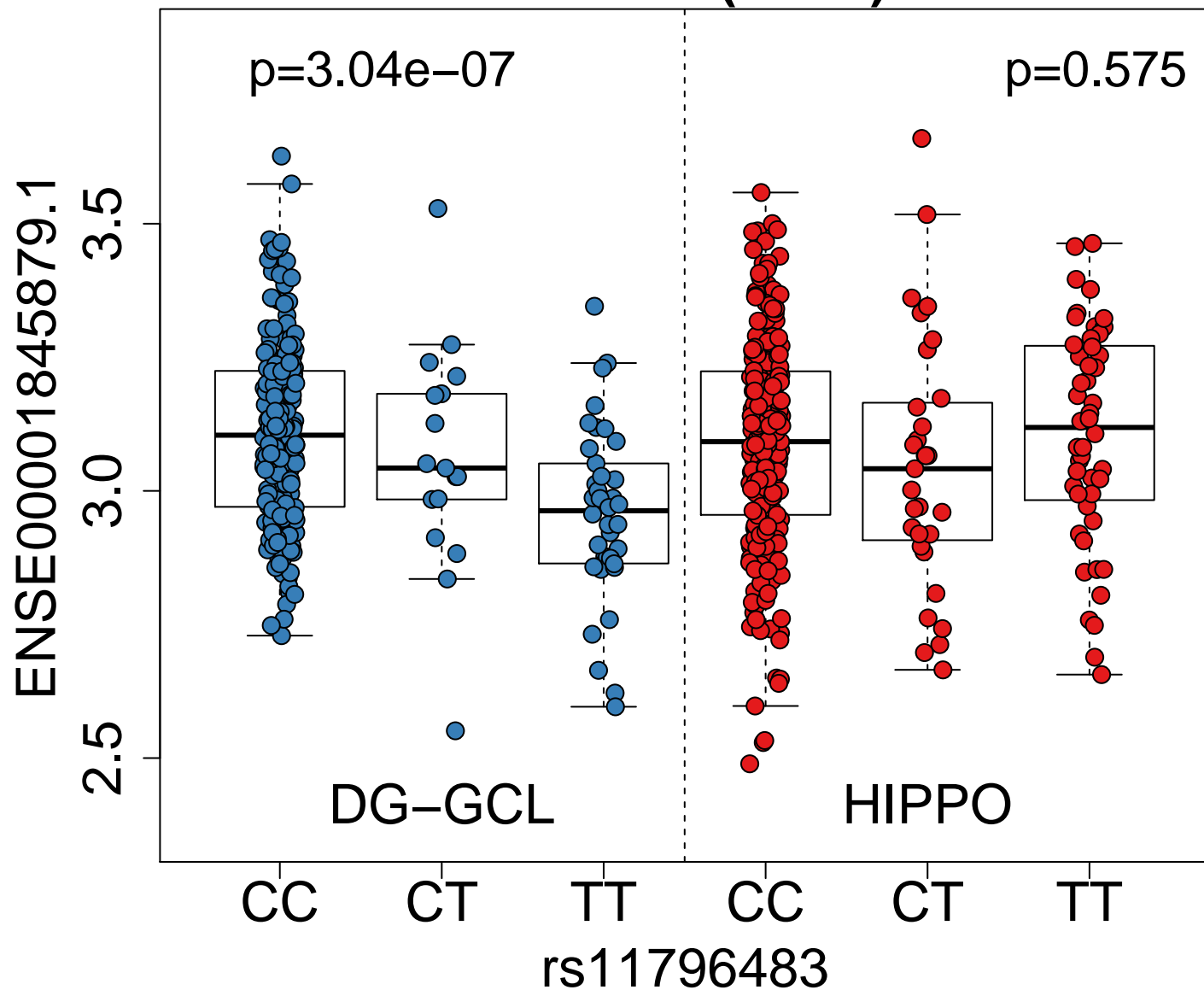
Index: rs12009217 ($R^2=0.949$)

NLGN4X (Exon)



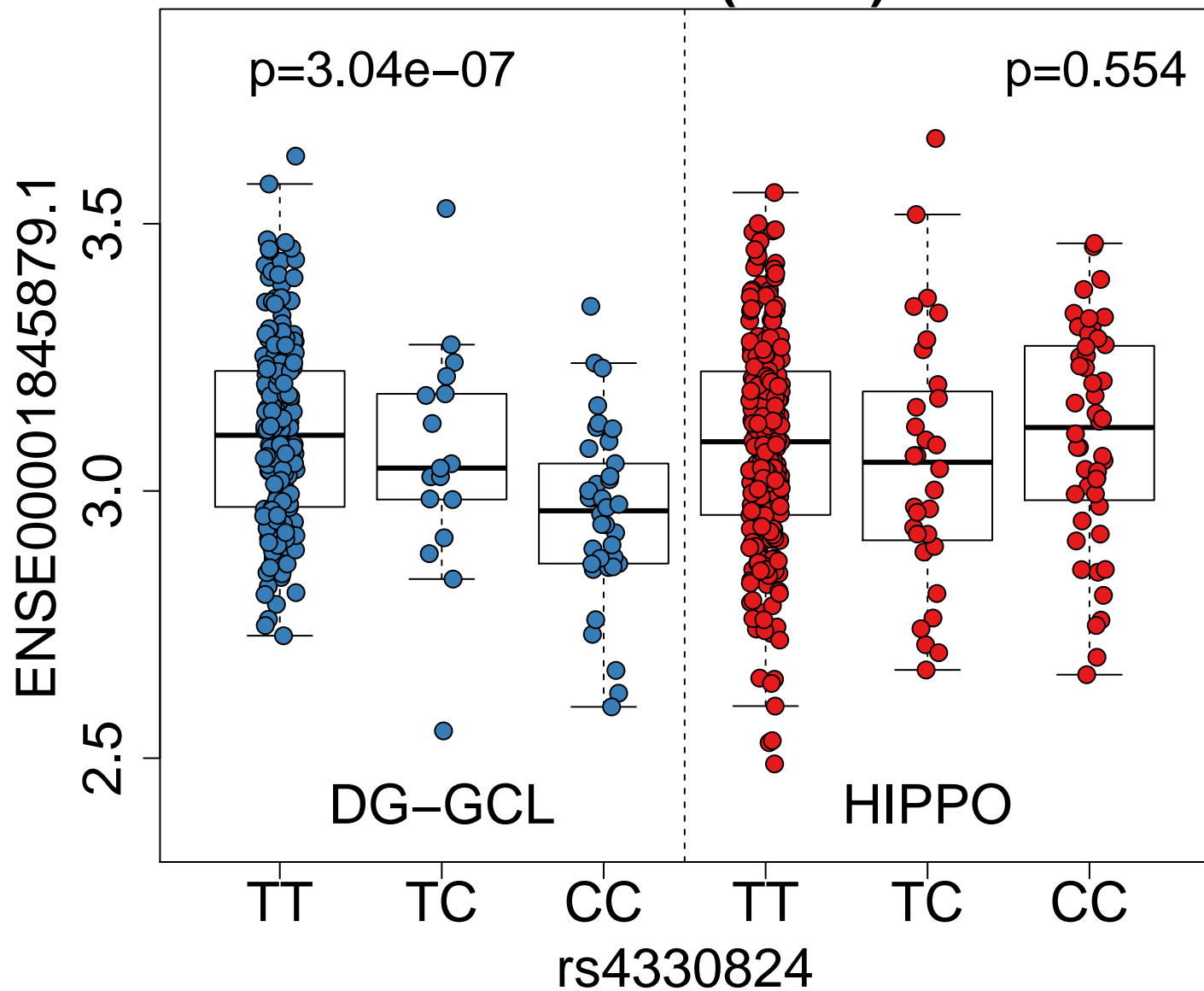
Index: rs12009217 ($R^2=0.941$)

NLGN4X (Exon)



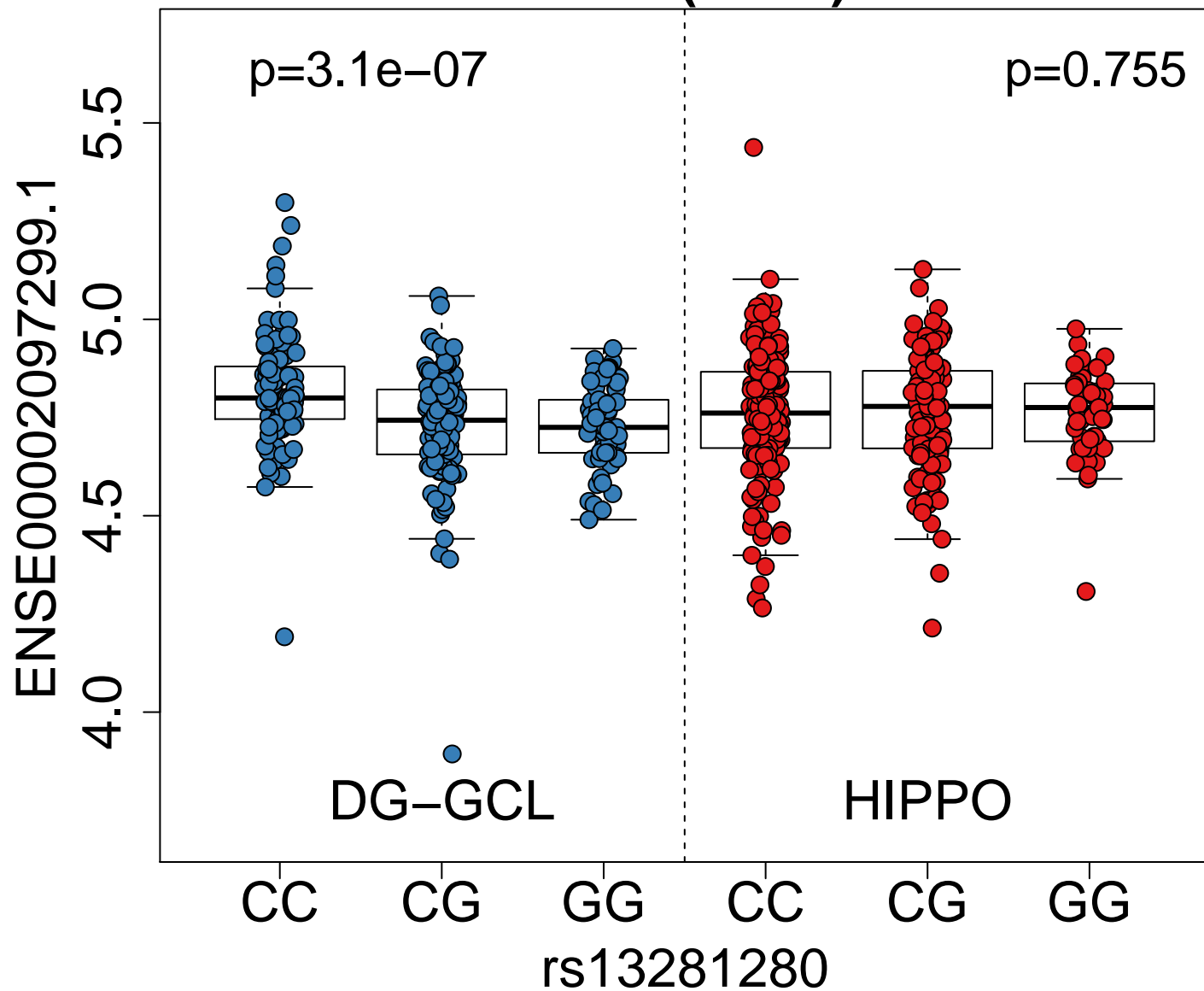
Index: rs12009217 ($R^2=0.958$)

NLGN4X (Exon)



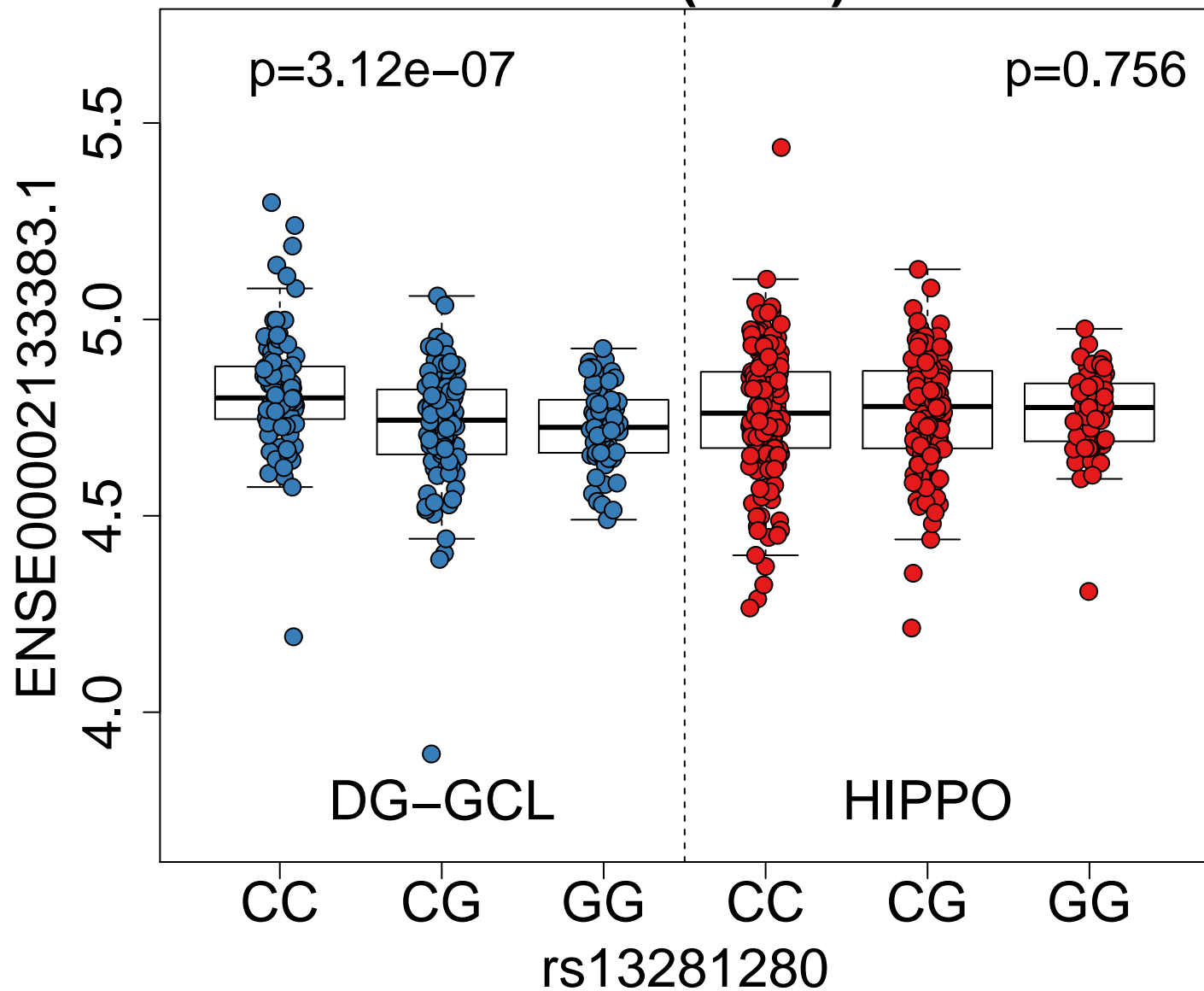
Index: rs2410572 ($R^2=0.968$)

PSD3 (Exon)



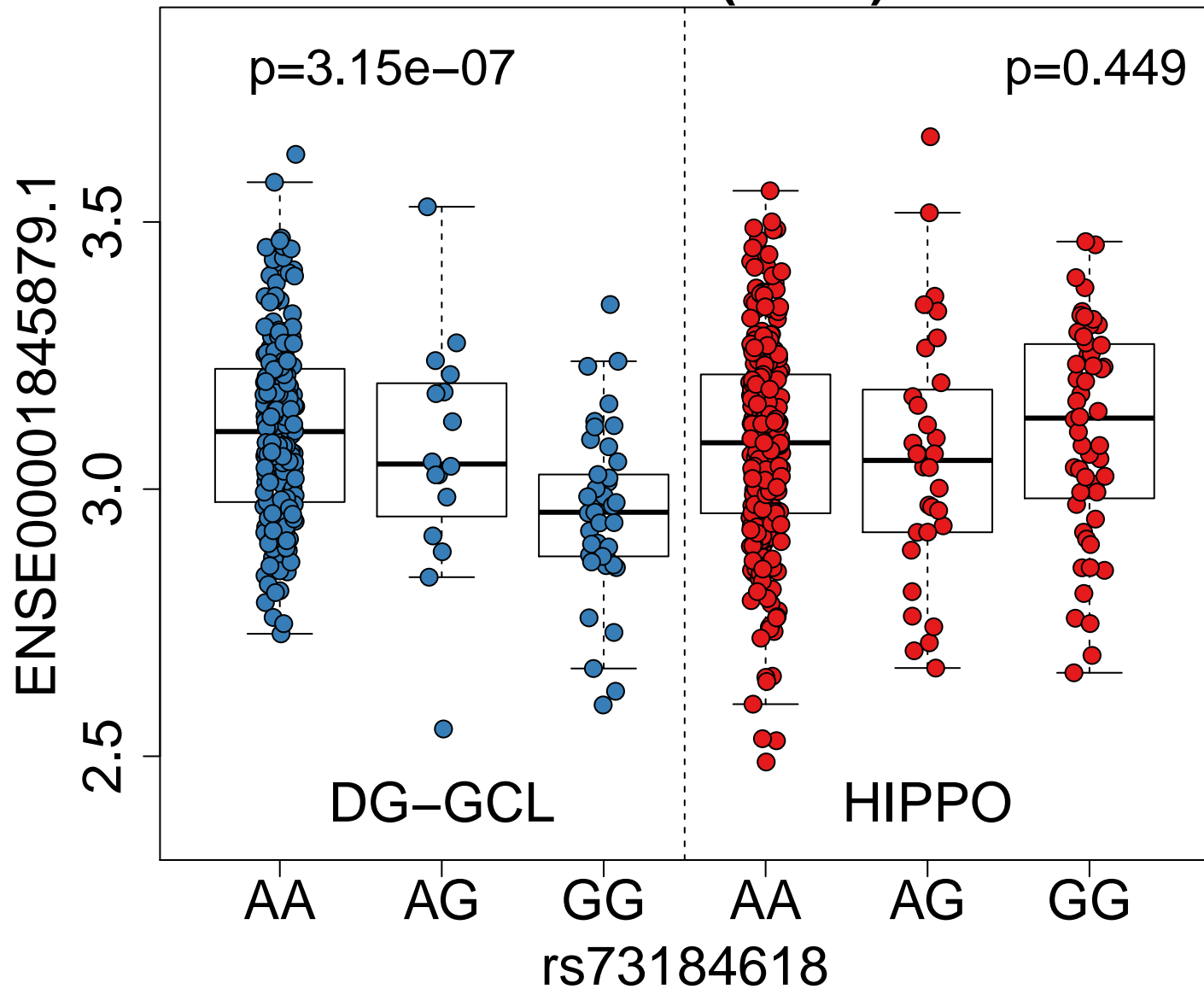
Index: rs2410572 ($R^2=0.968$)

PSD3 (Exon)



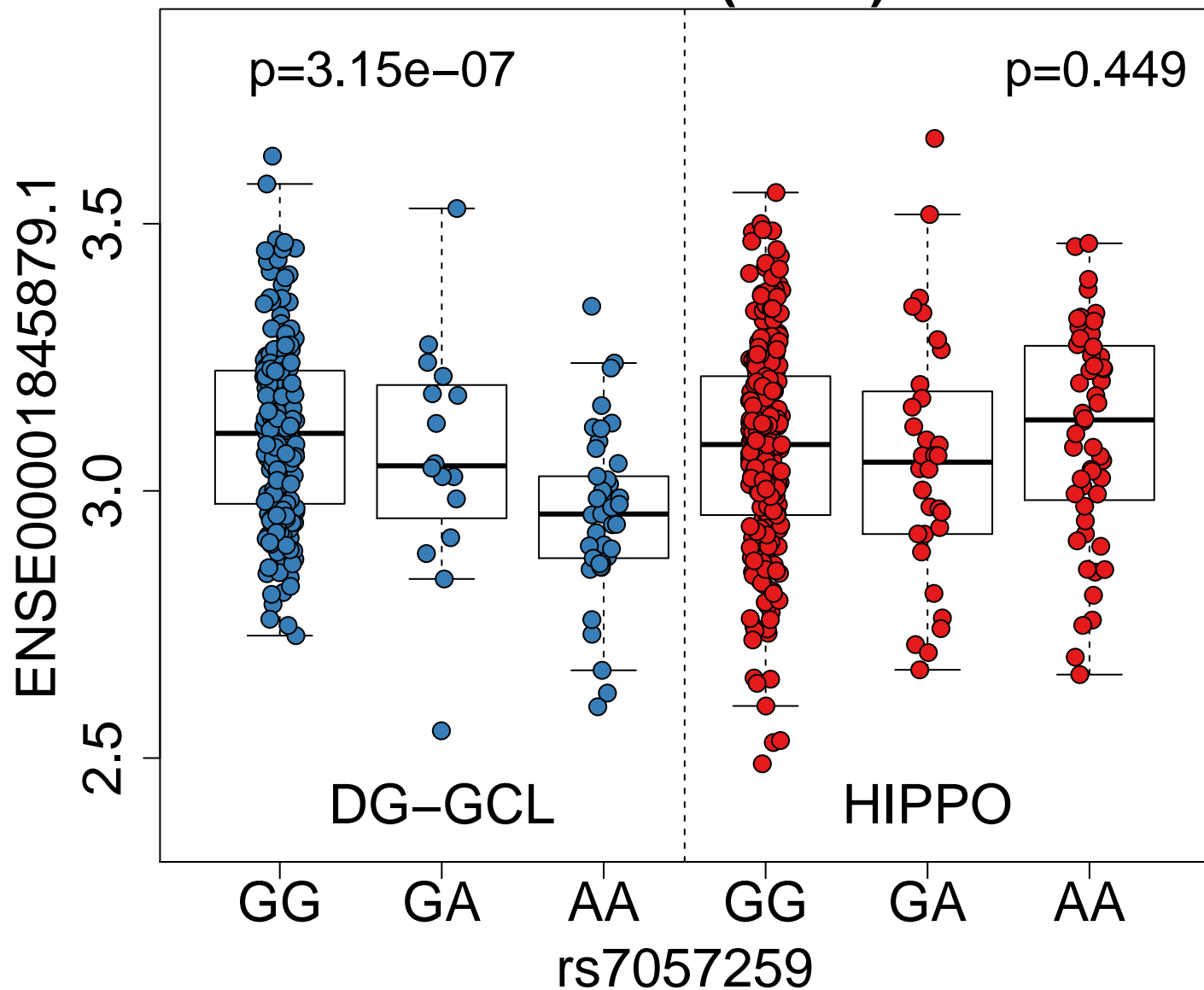
Index: rs12009217 ($R^2=0.958$)

NLGN4X (Exon)



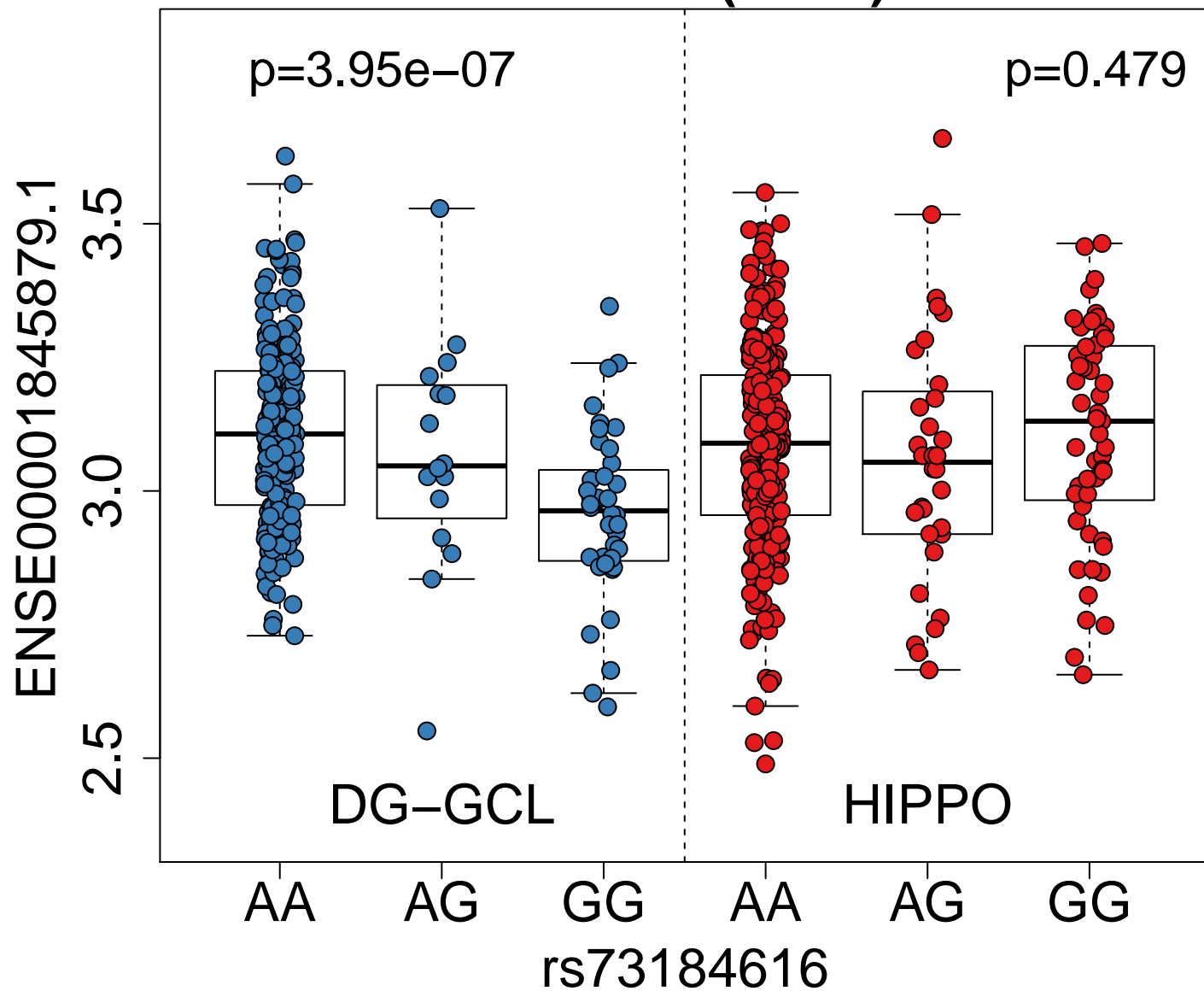
Index: rs12009217 ($R^2=0.941$)

NLGN4X (Exon)



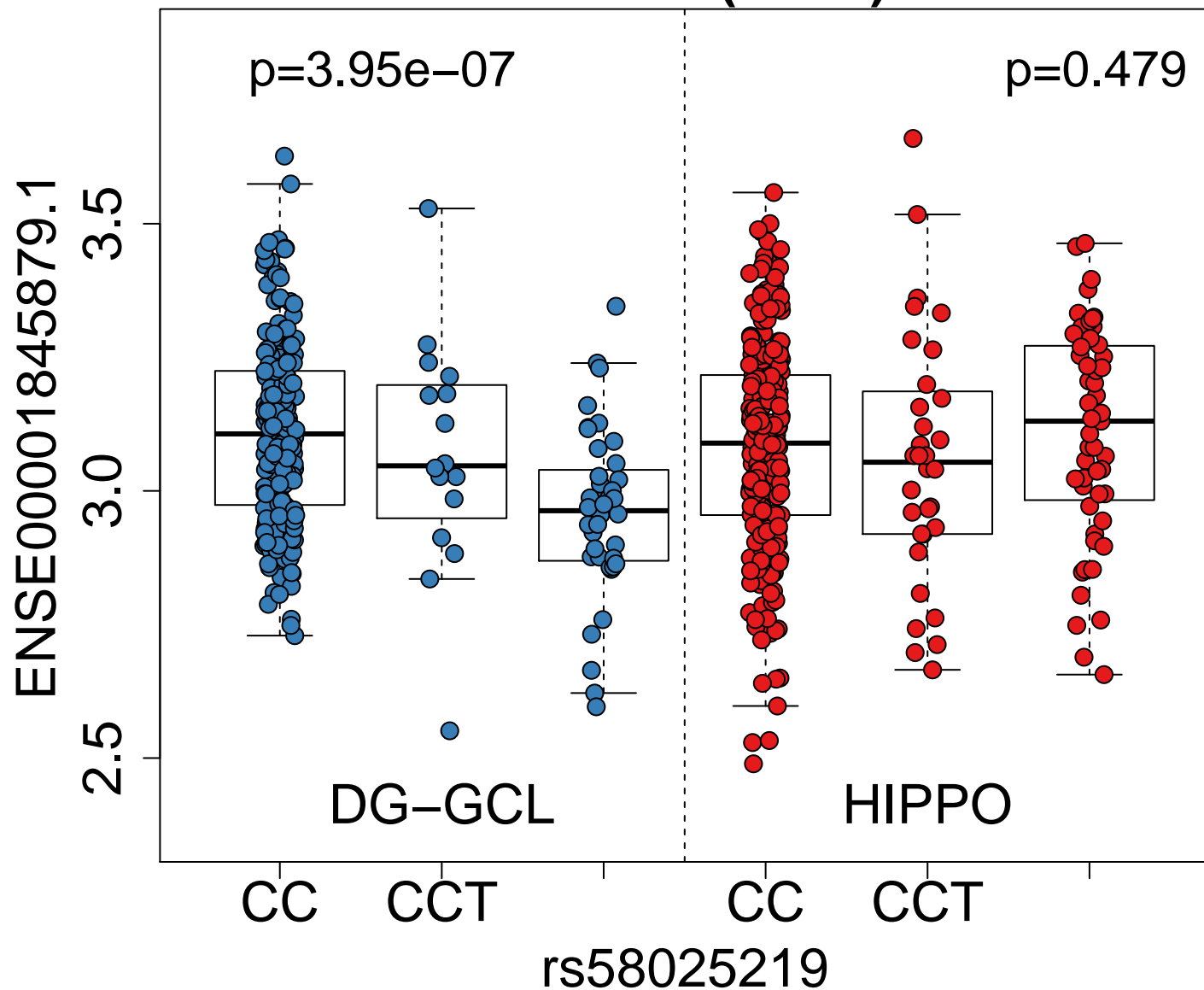
Index: rs12009217 ($R^2=0.958$)

NLGN4X (Exon)



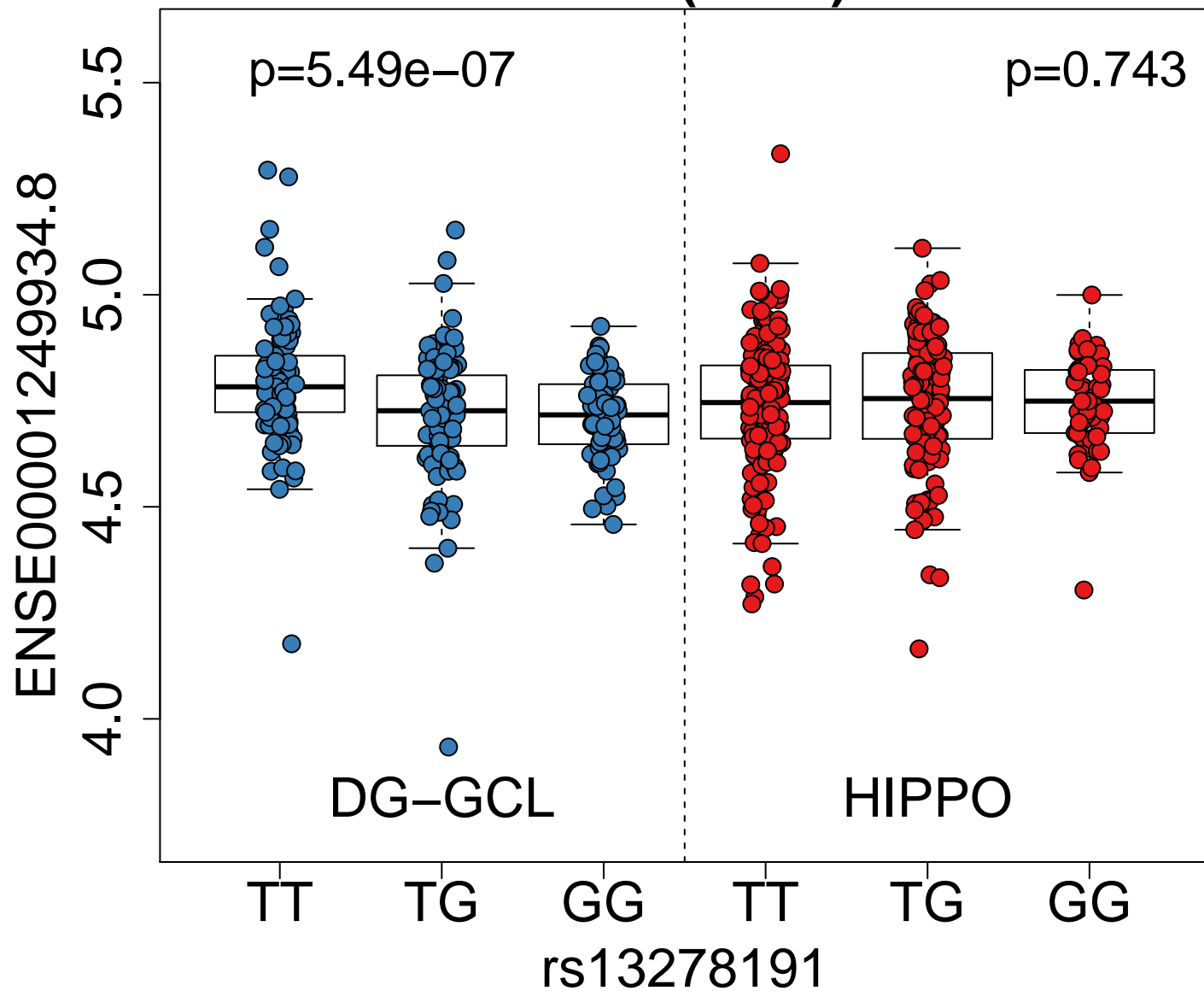
Index: rs12009217 ($R^2=0.958$)

NLGN4X (Exon)



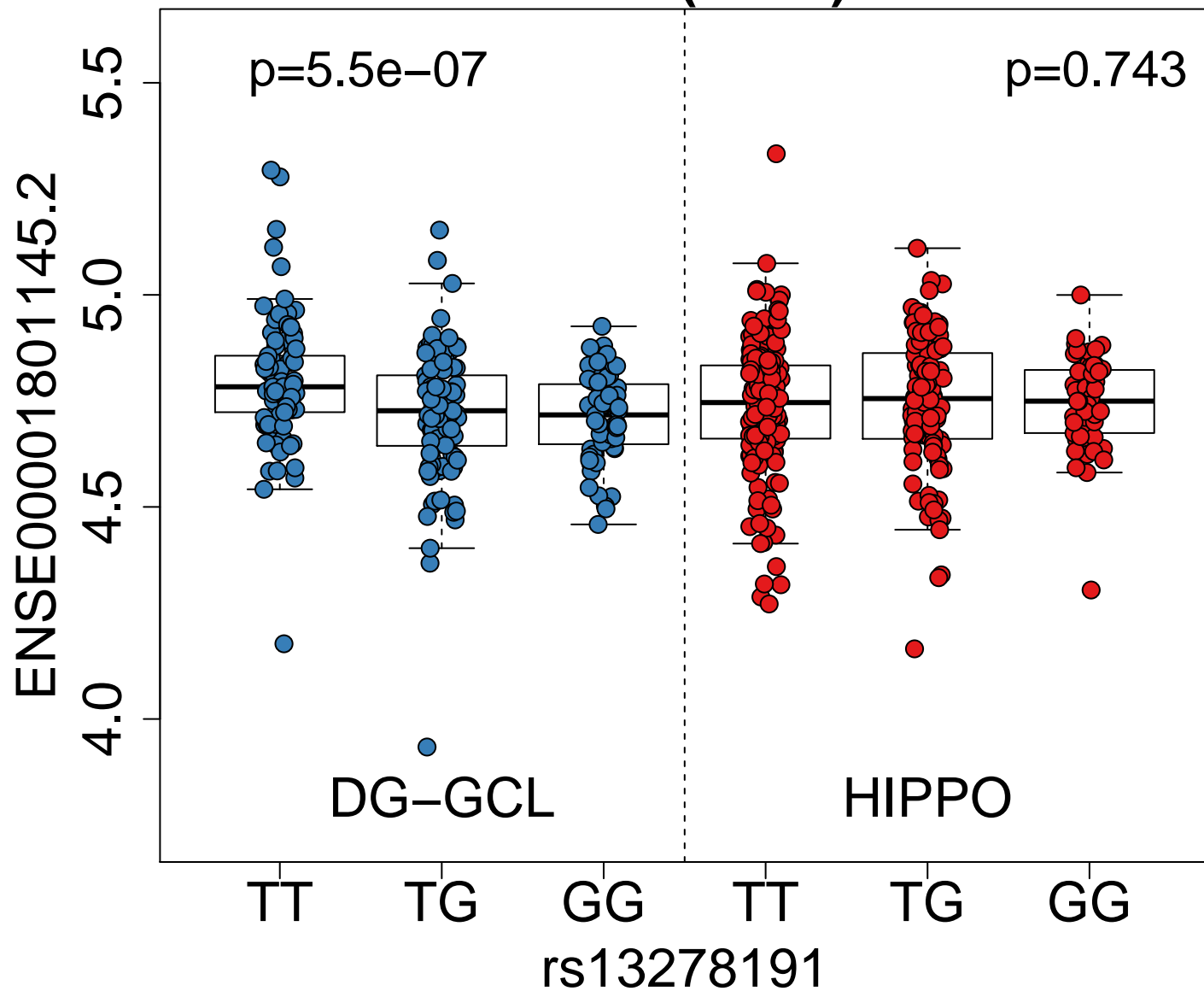
Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)



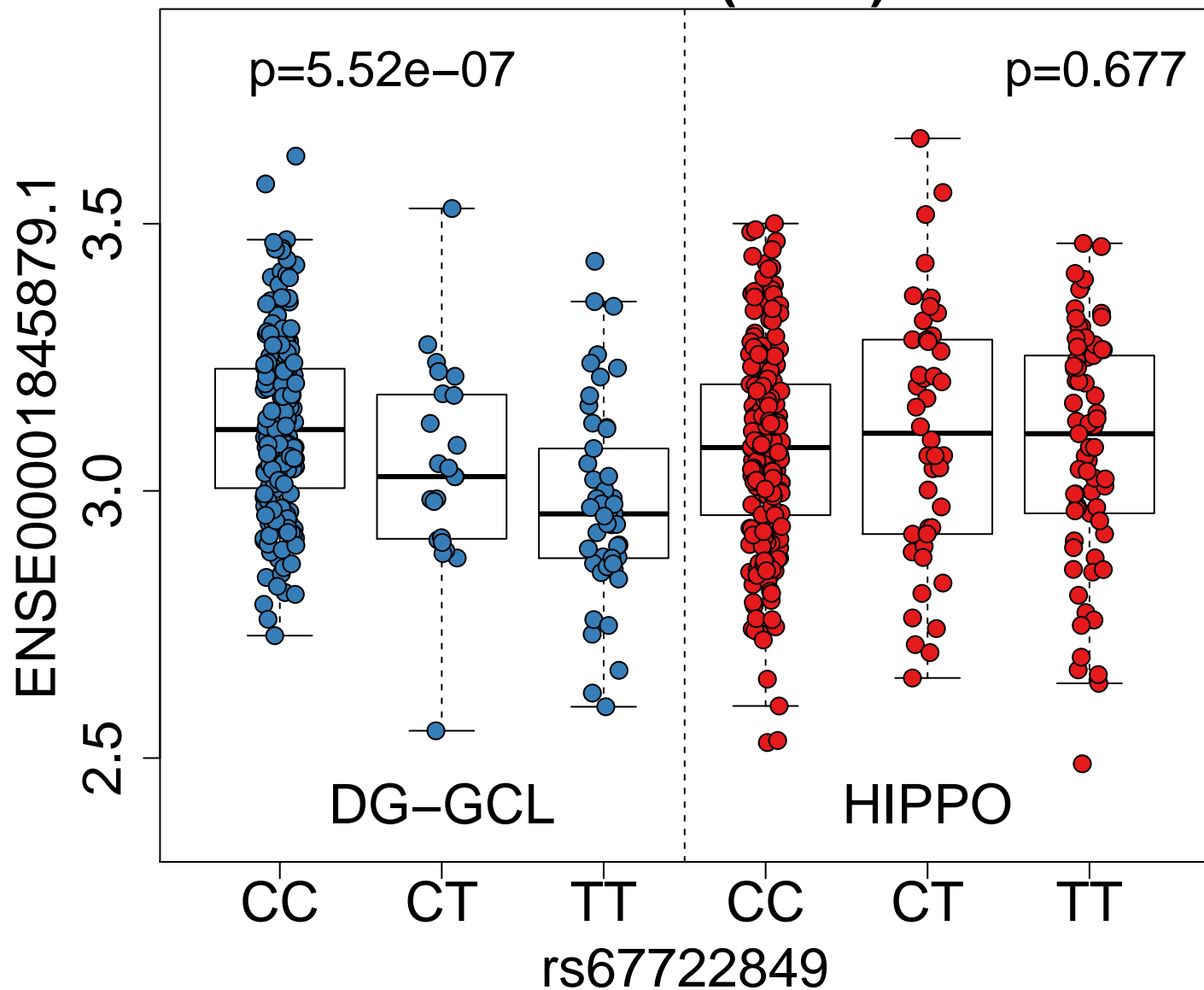
Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)



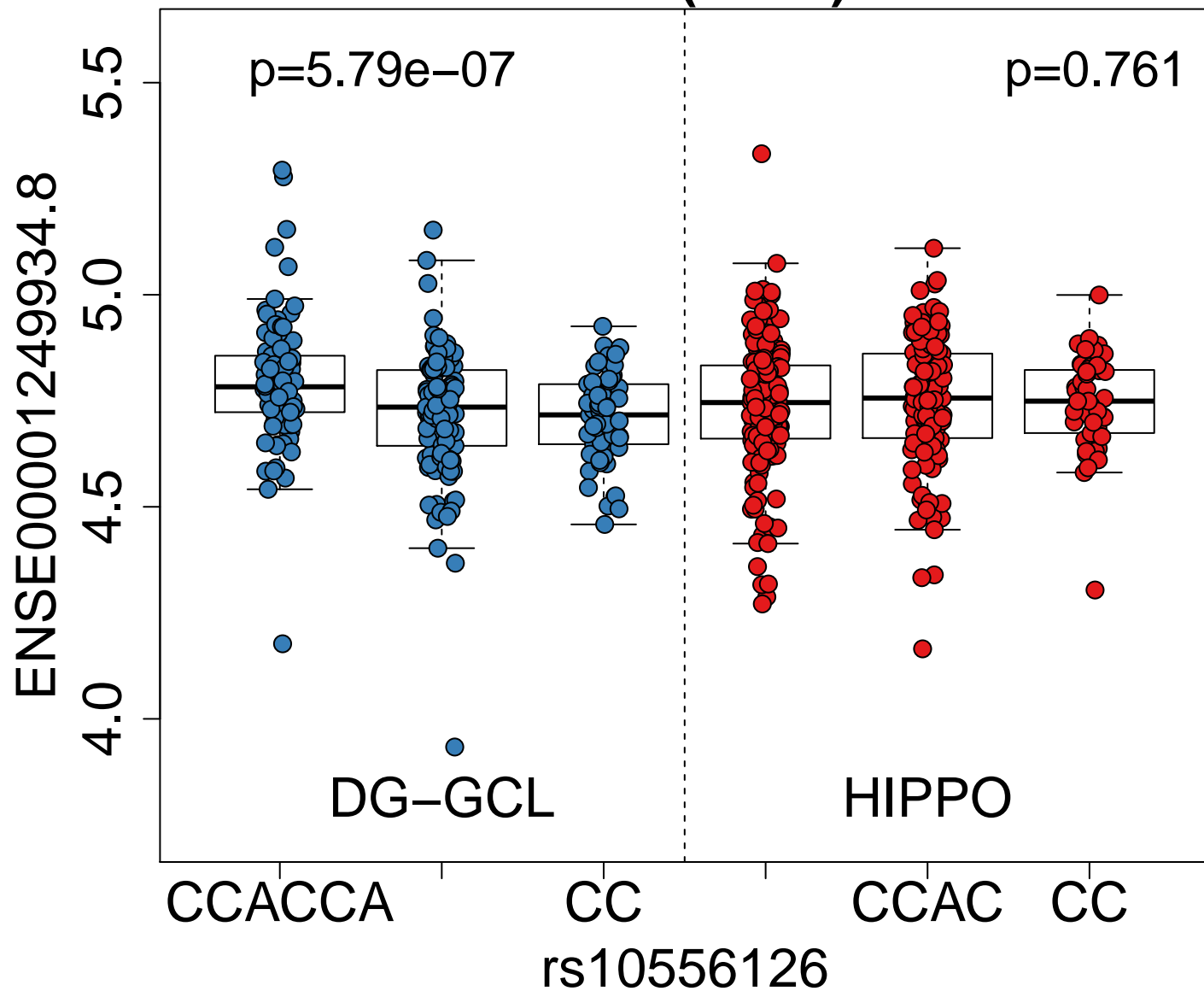
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)

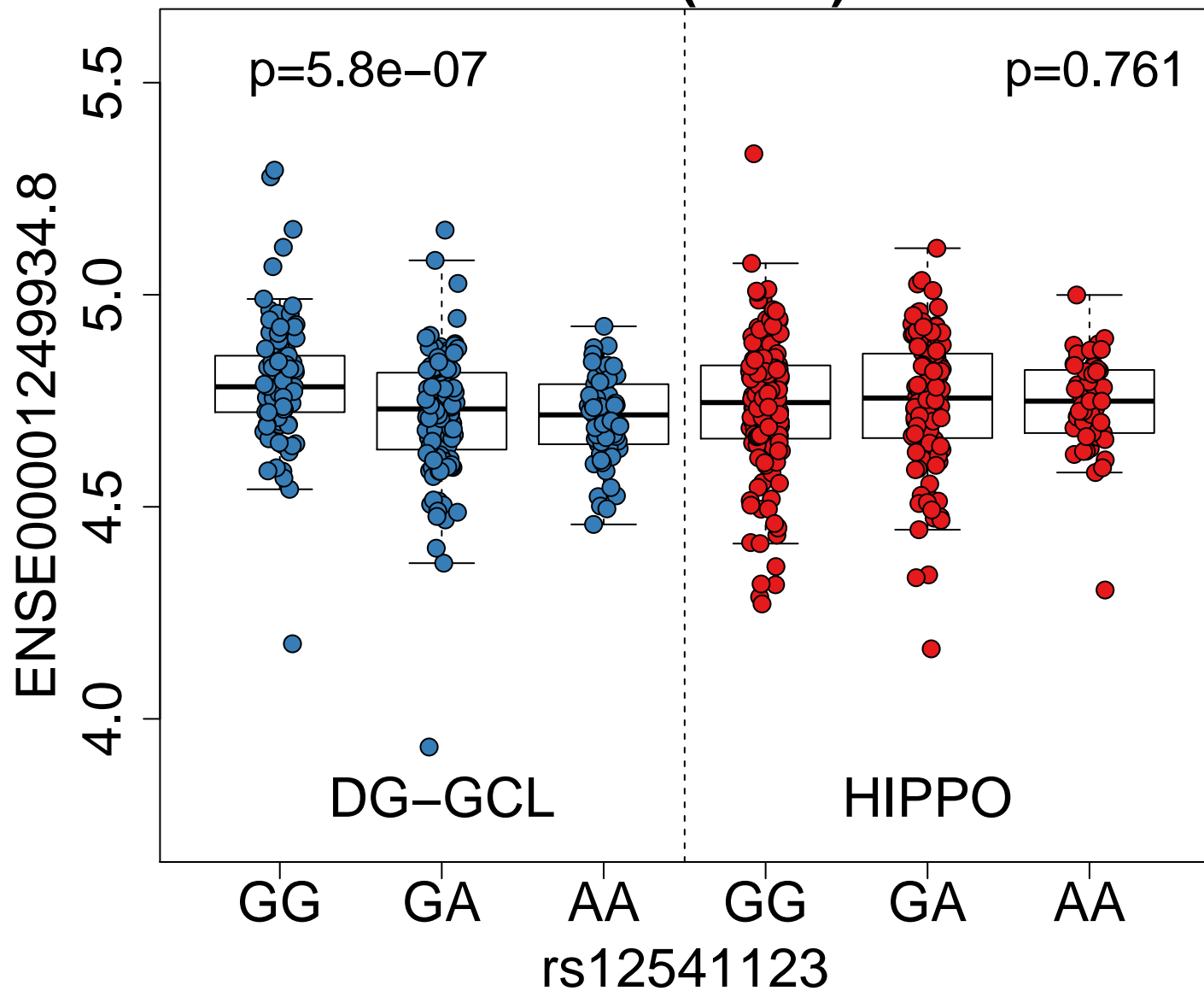


Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)

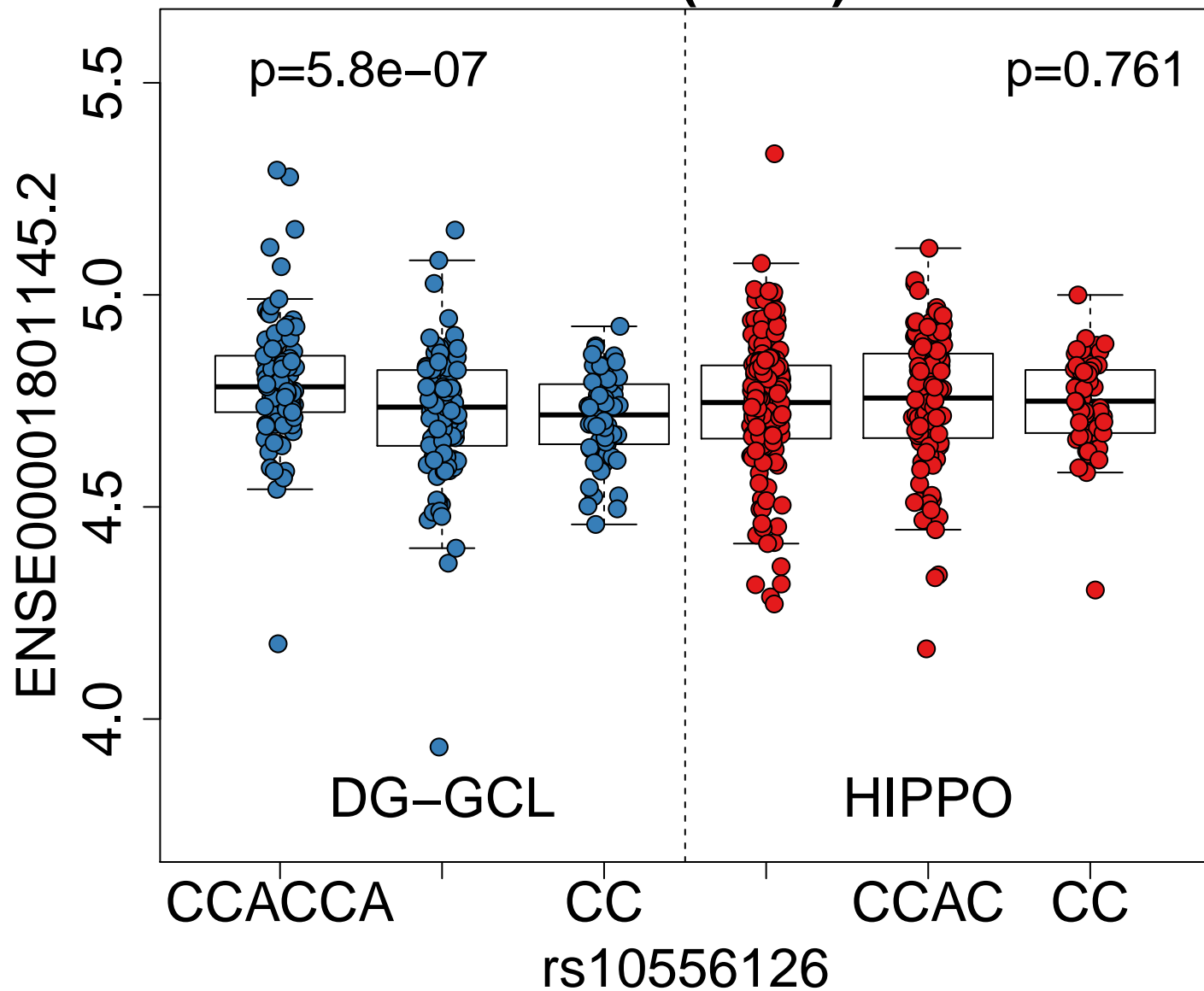


Index: rs2410572 ($R^2=1$)
PSD3 (Exon)

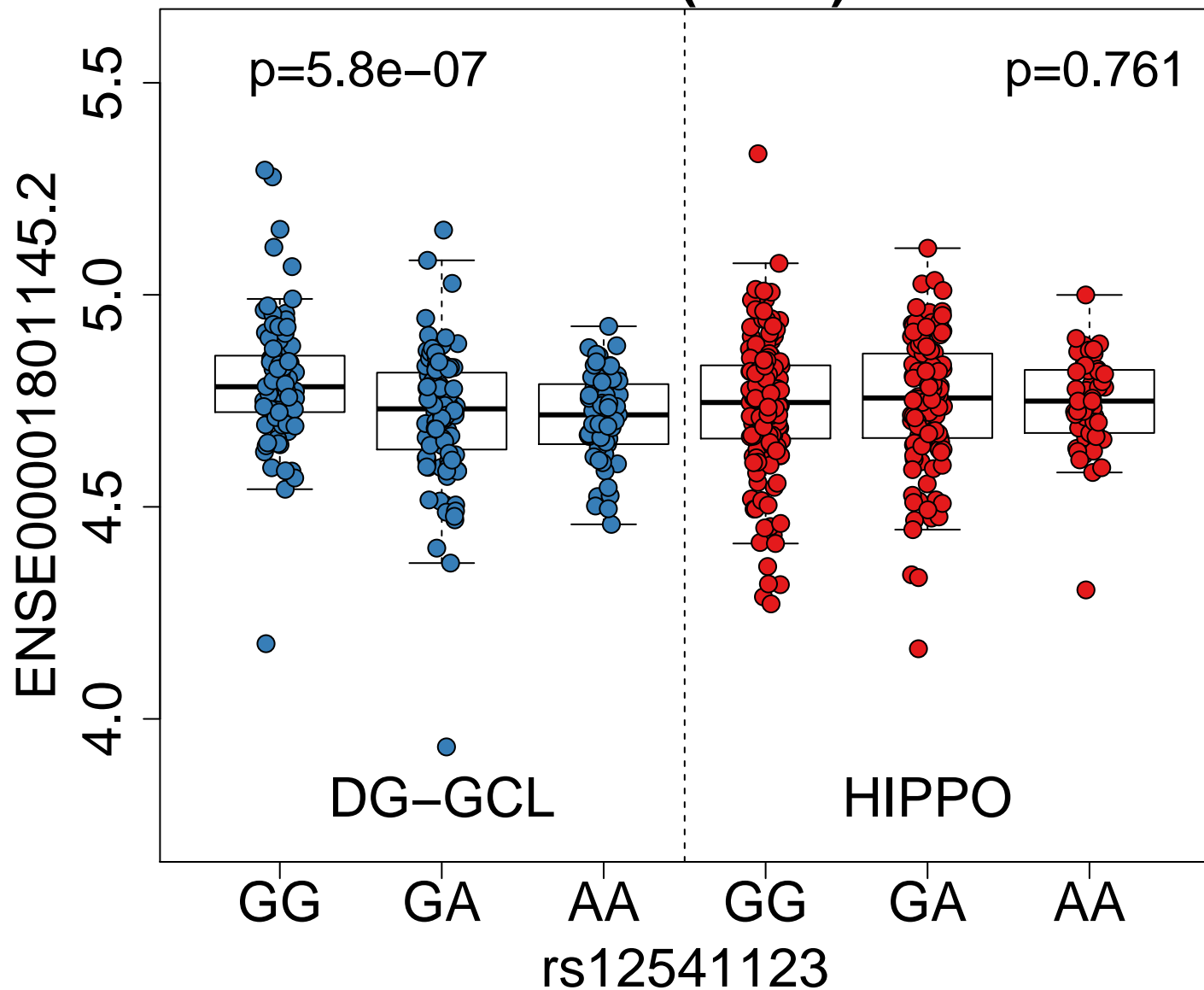


Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)

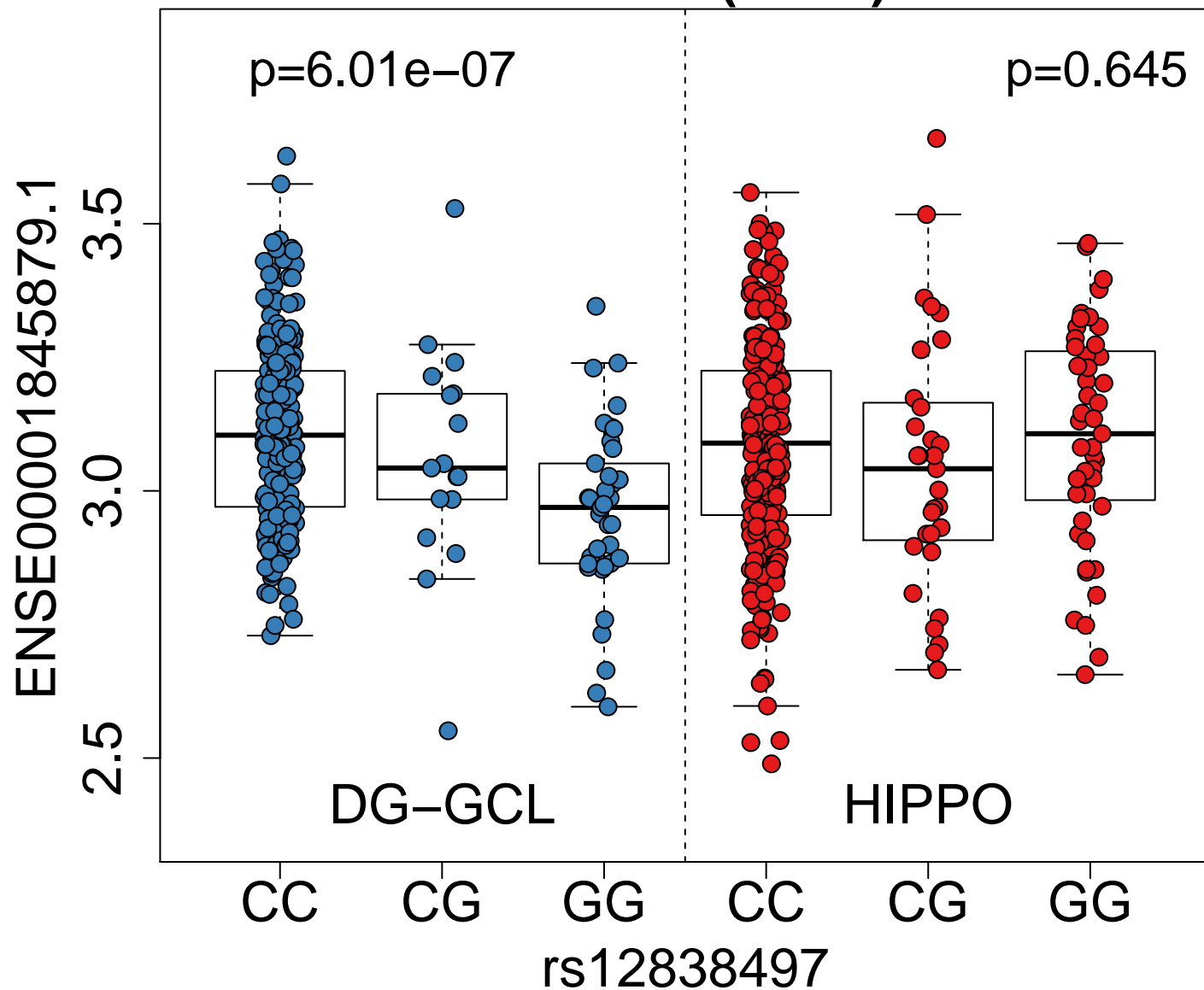


Index: rs2410572 ($R^2=1$)
PSD3 (Exon)



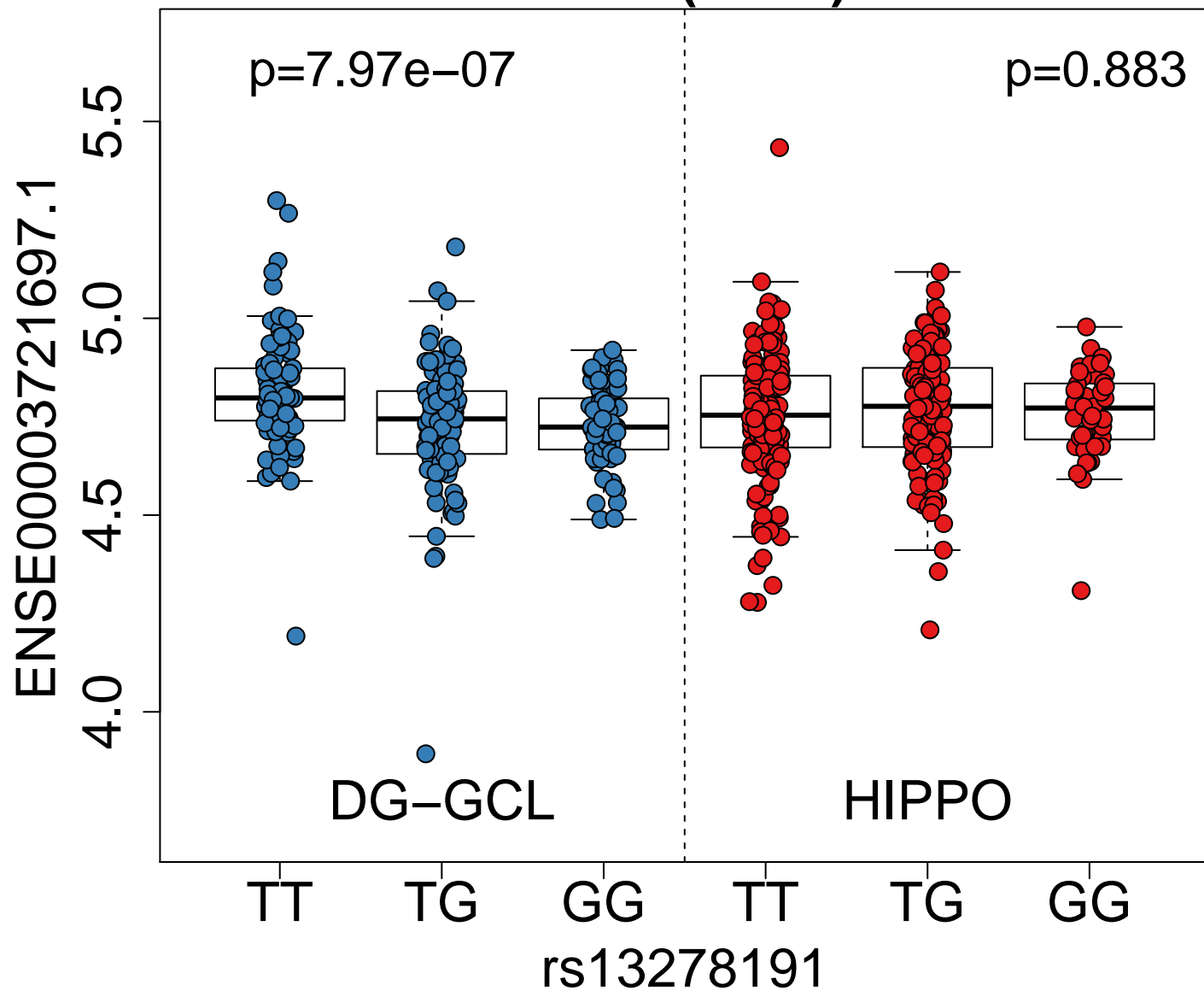
Index: rs12009217 ($R^2=0.949$)

NLGN4X (Exon)

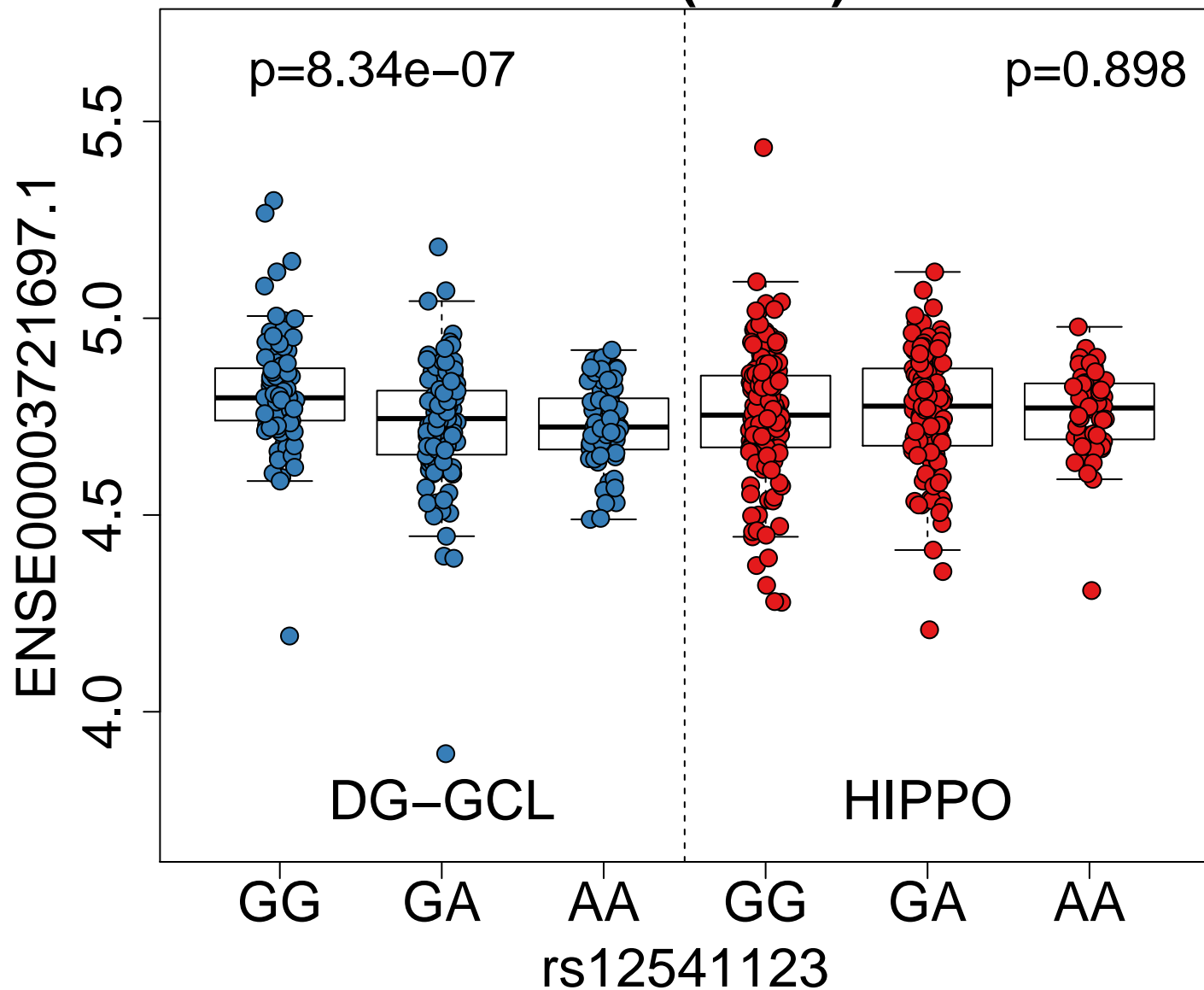


Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)

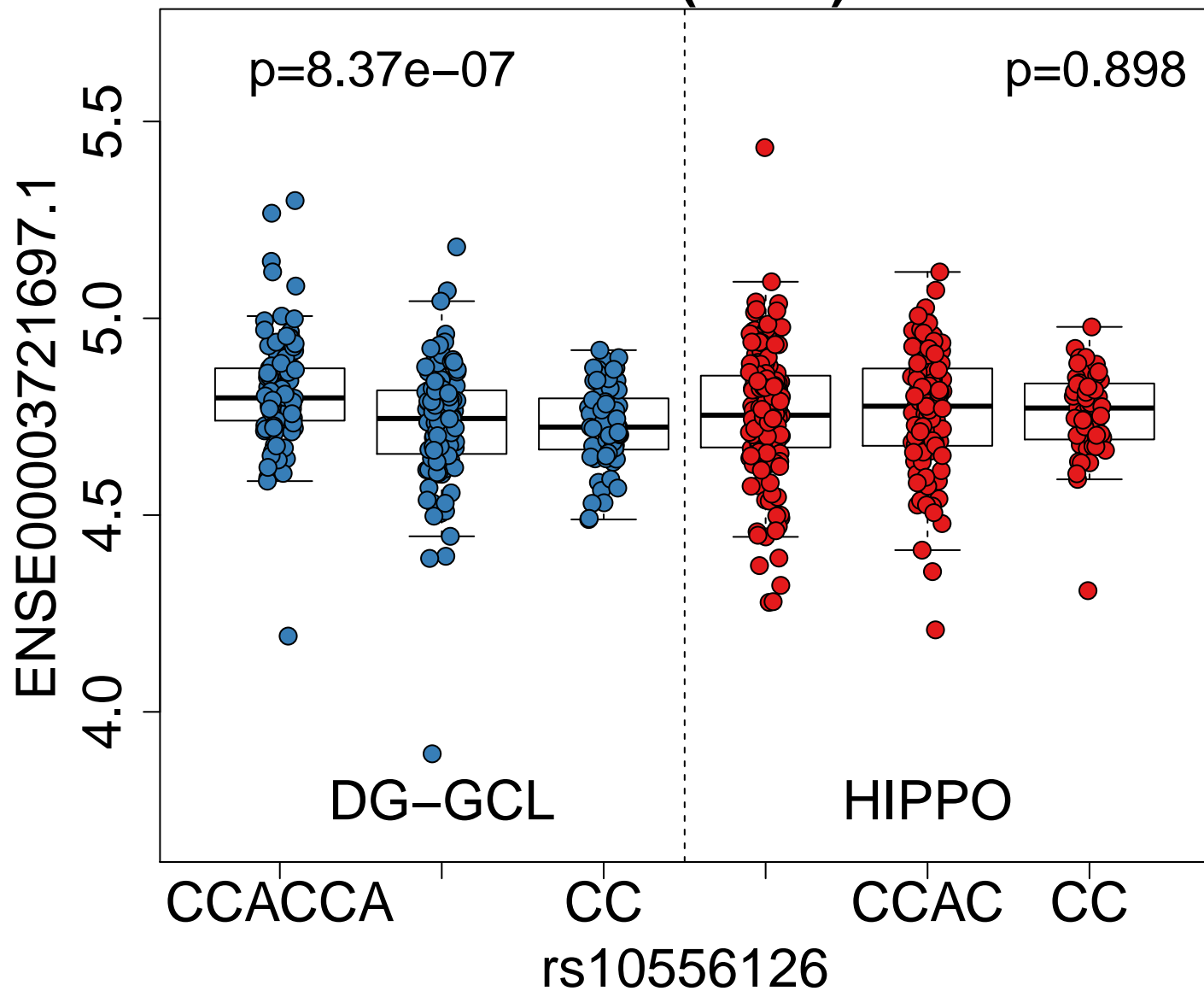


Index: rs2410572 ($R^2=1$)
PSD3 (Exon)



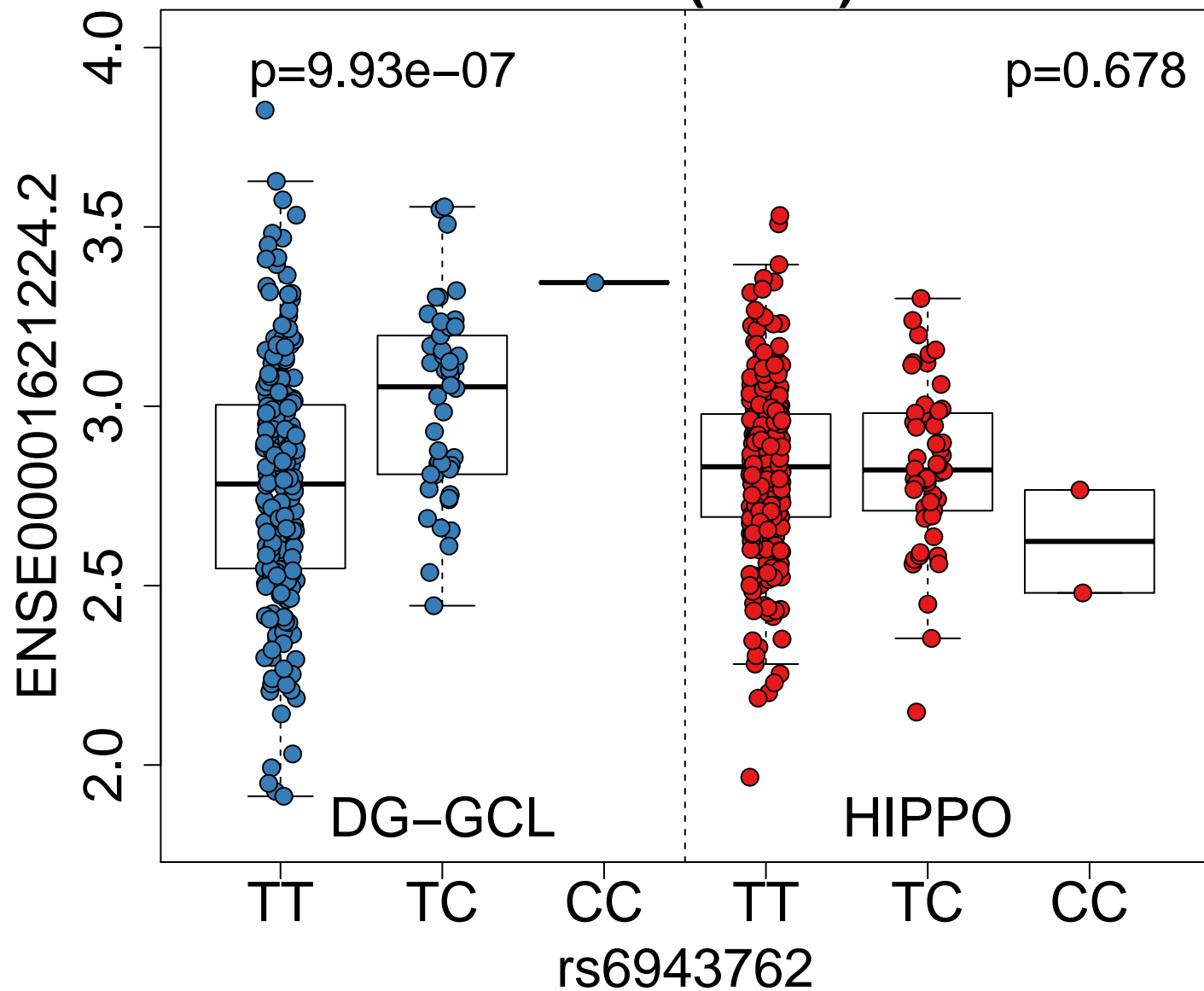
Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)



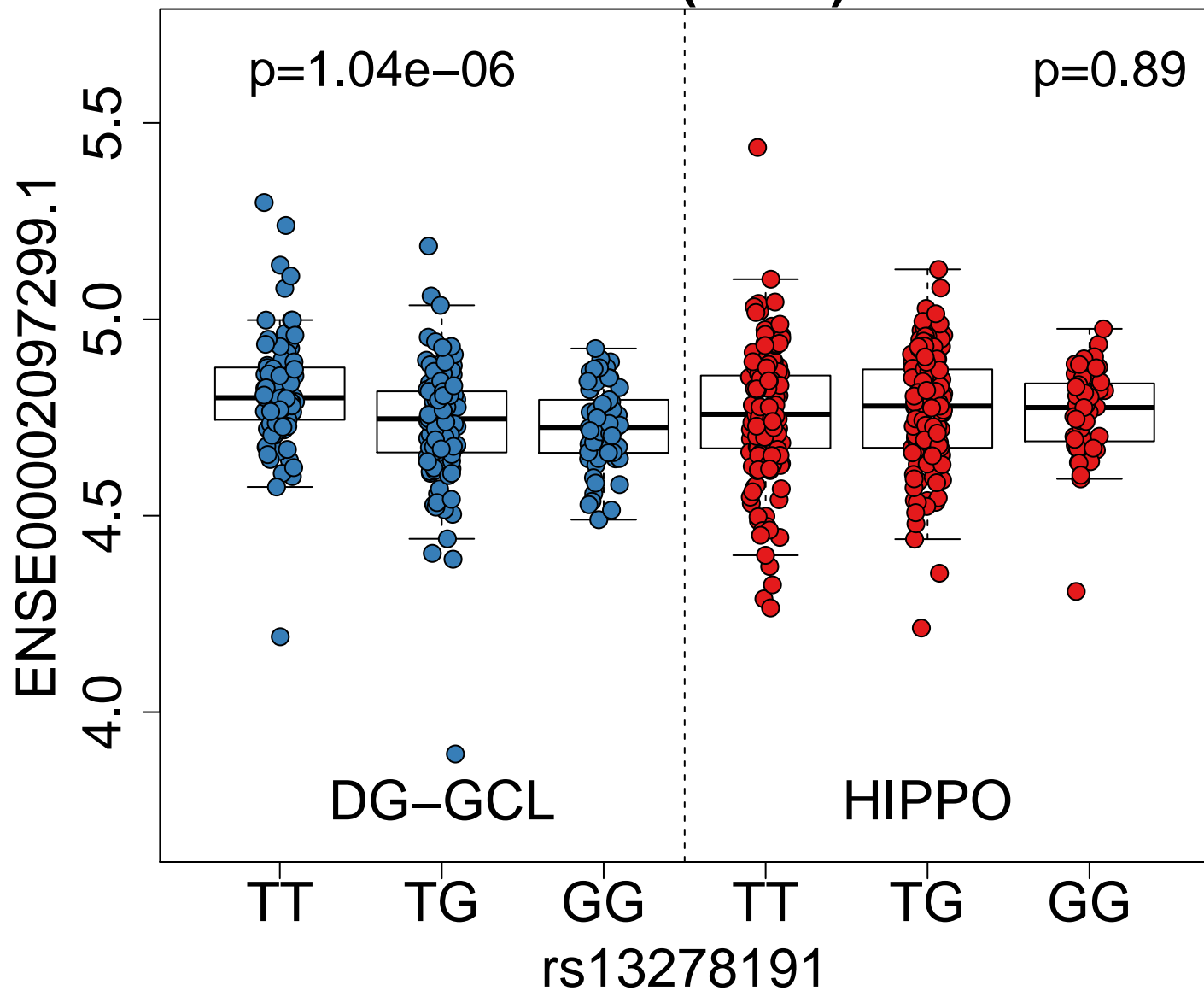
Index: rs12704290 ($R^2=0.817$)

GRM3 (Exon)



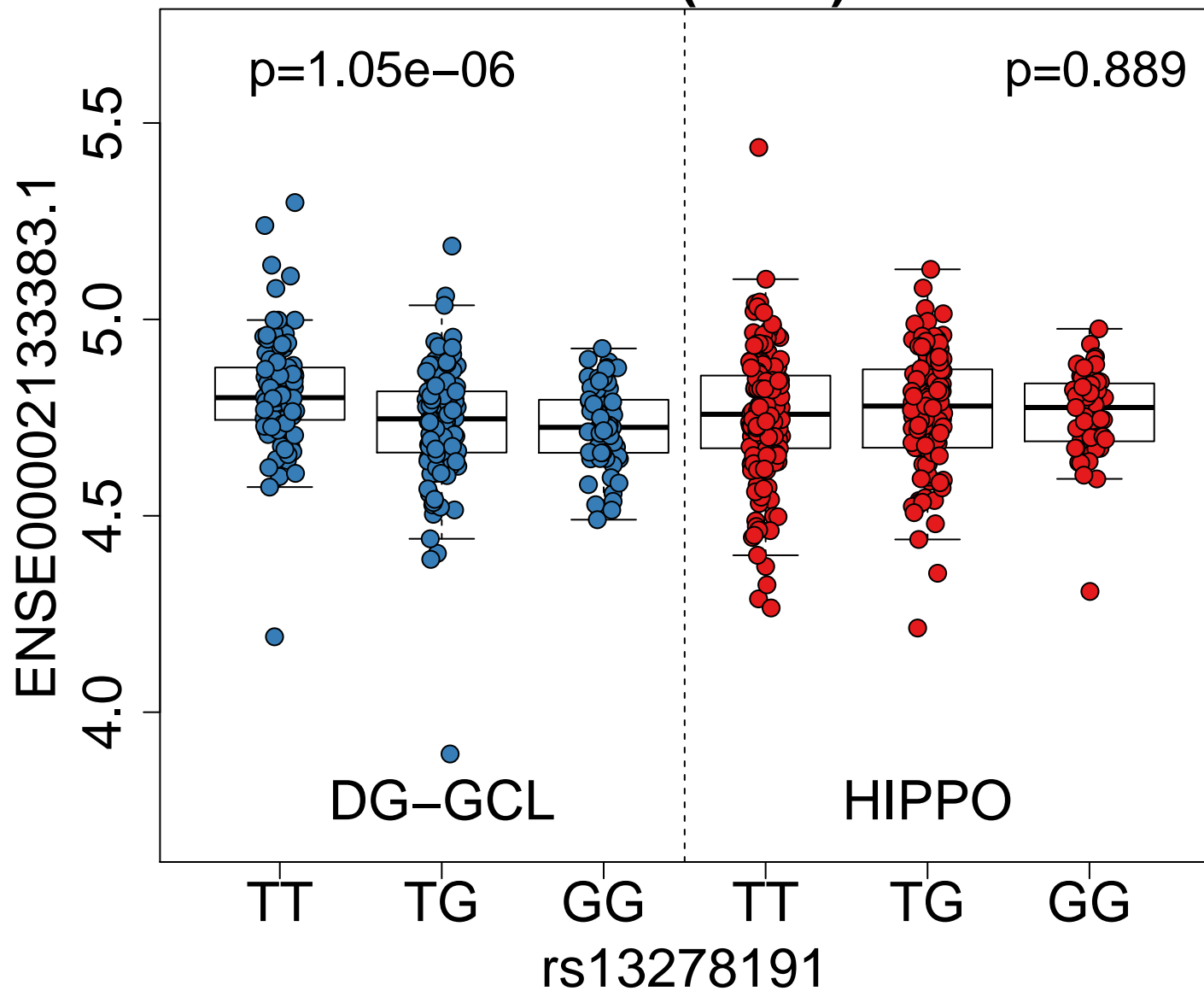
Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)



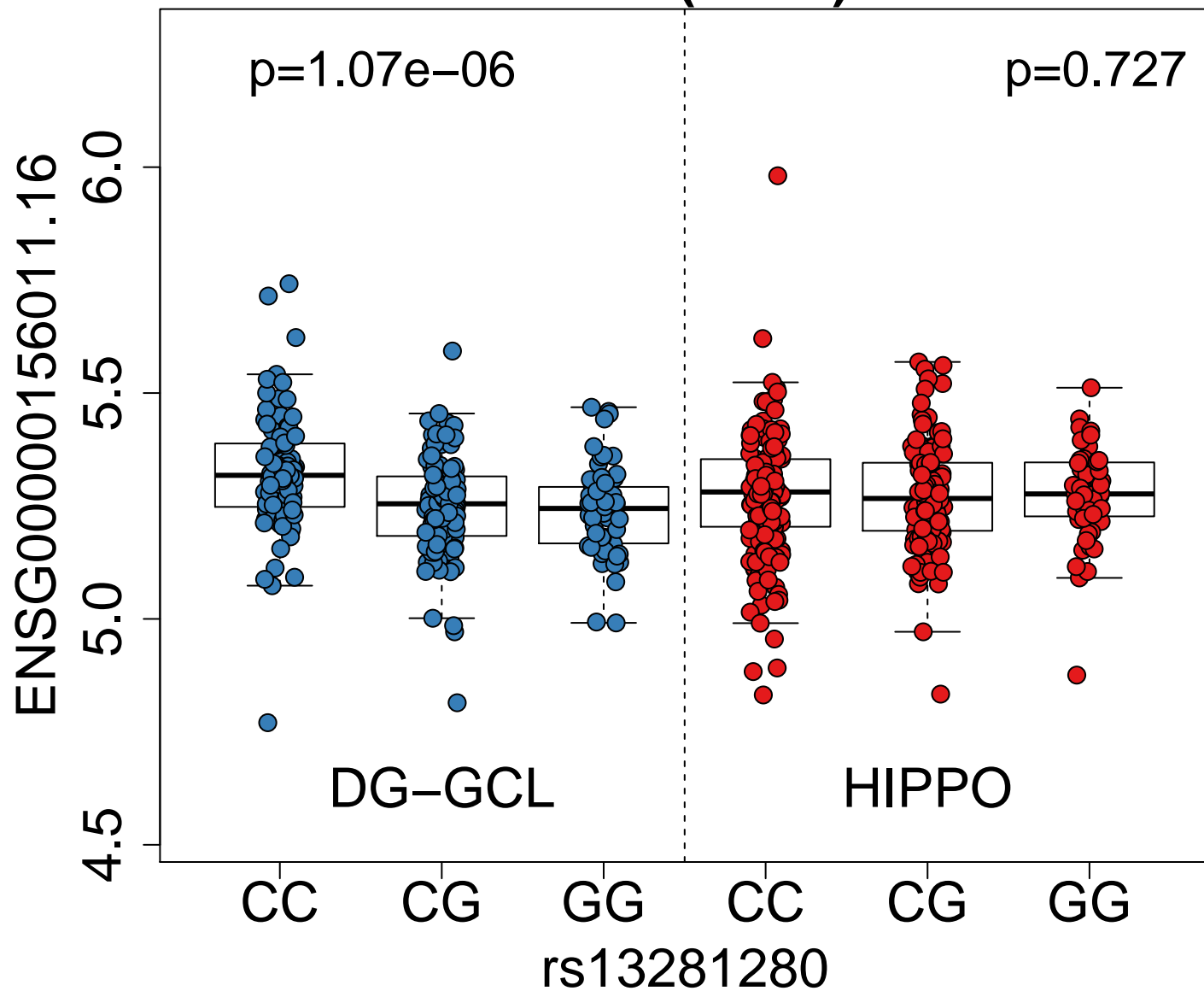
Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)

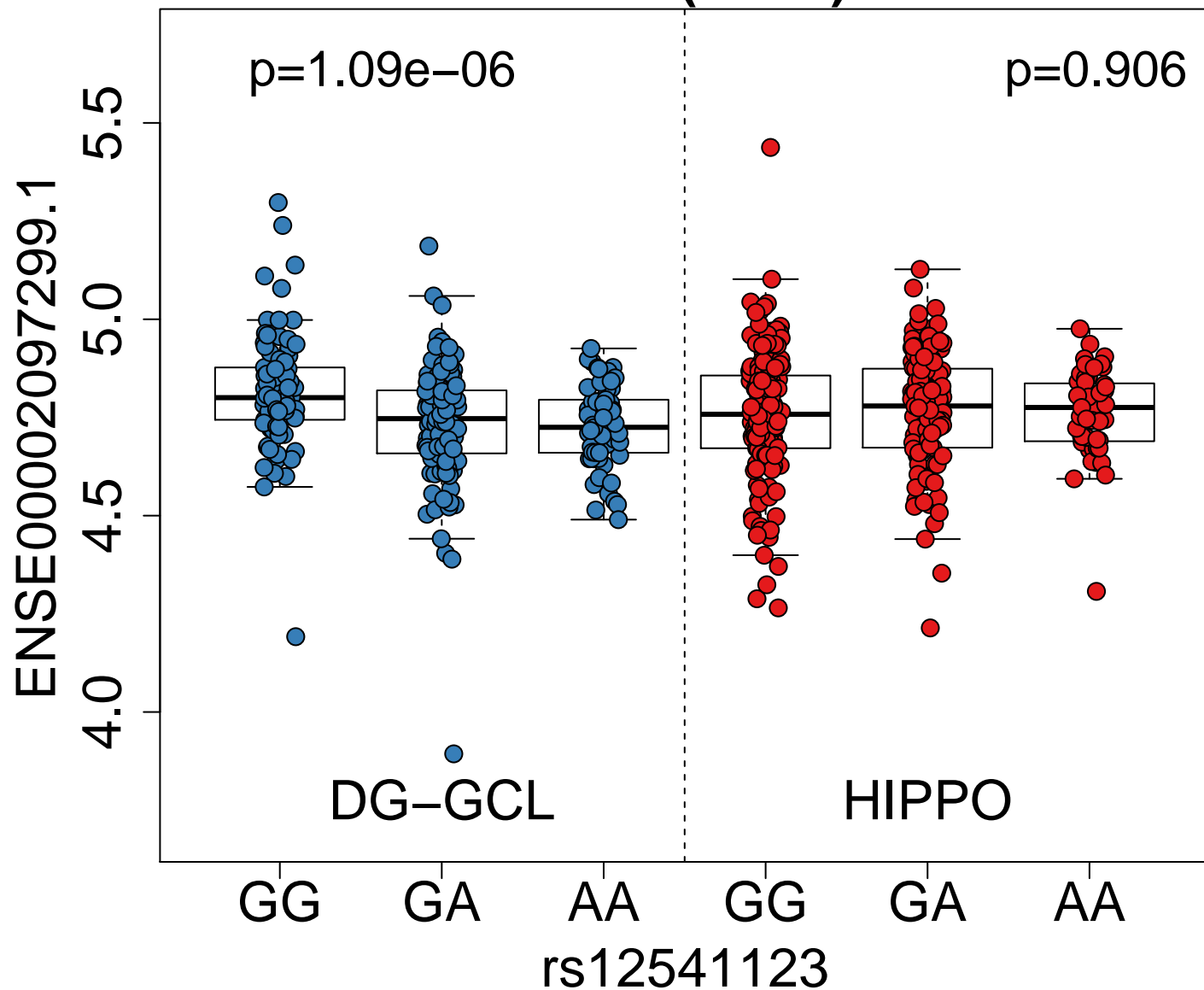


Index: rs2410572 ($R^2=0.968$)

PSD3 (Gene)

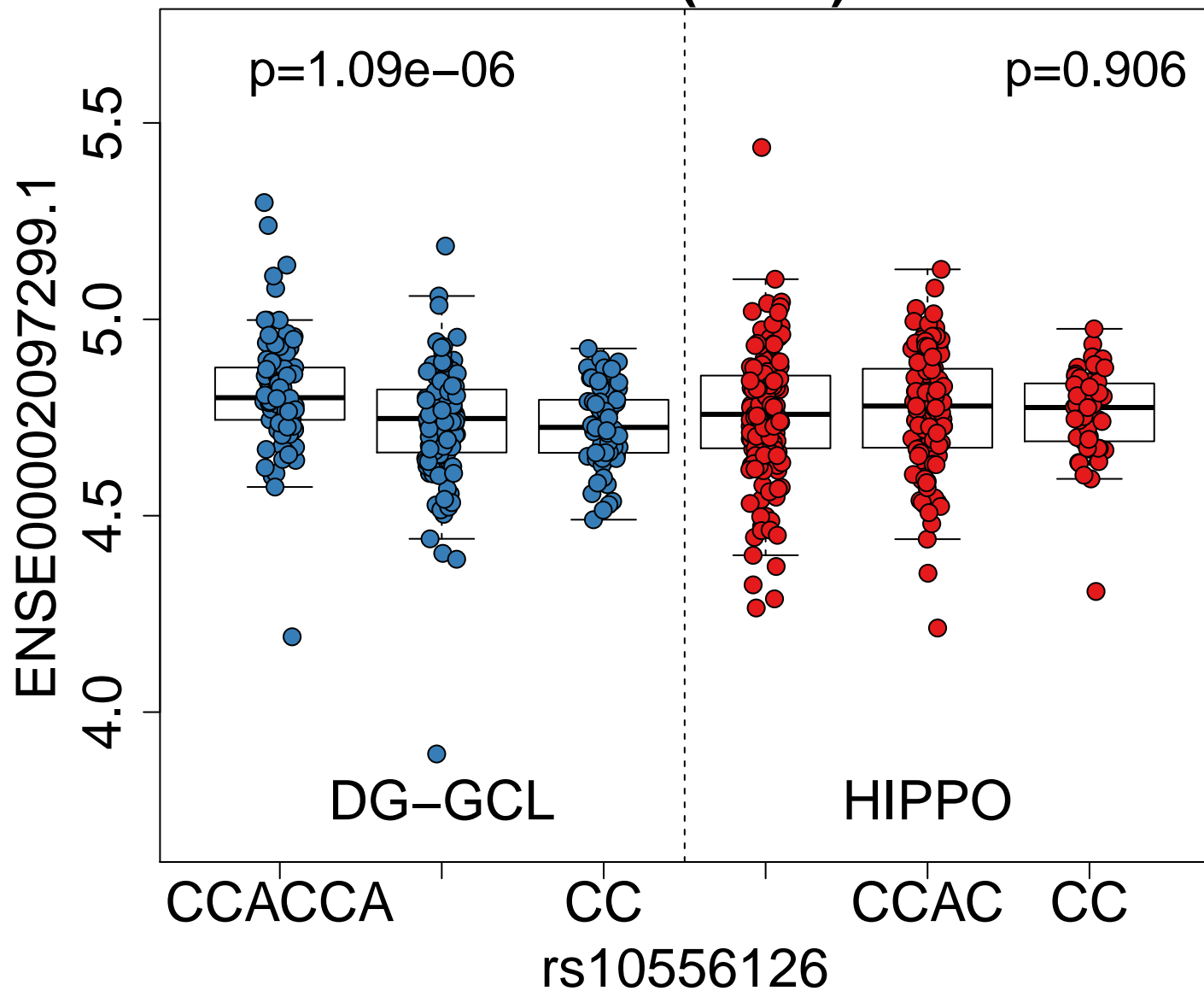


Index: rs2410572 ($R^2=1$)
PSD3 (Exon)

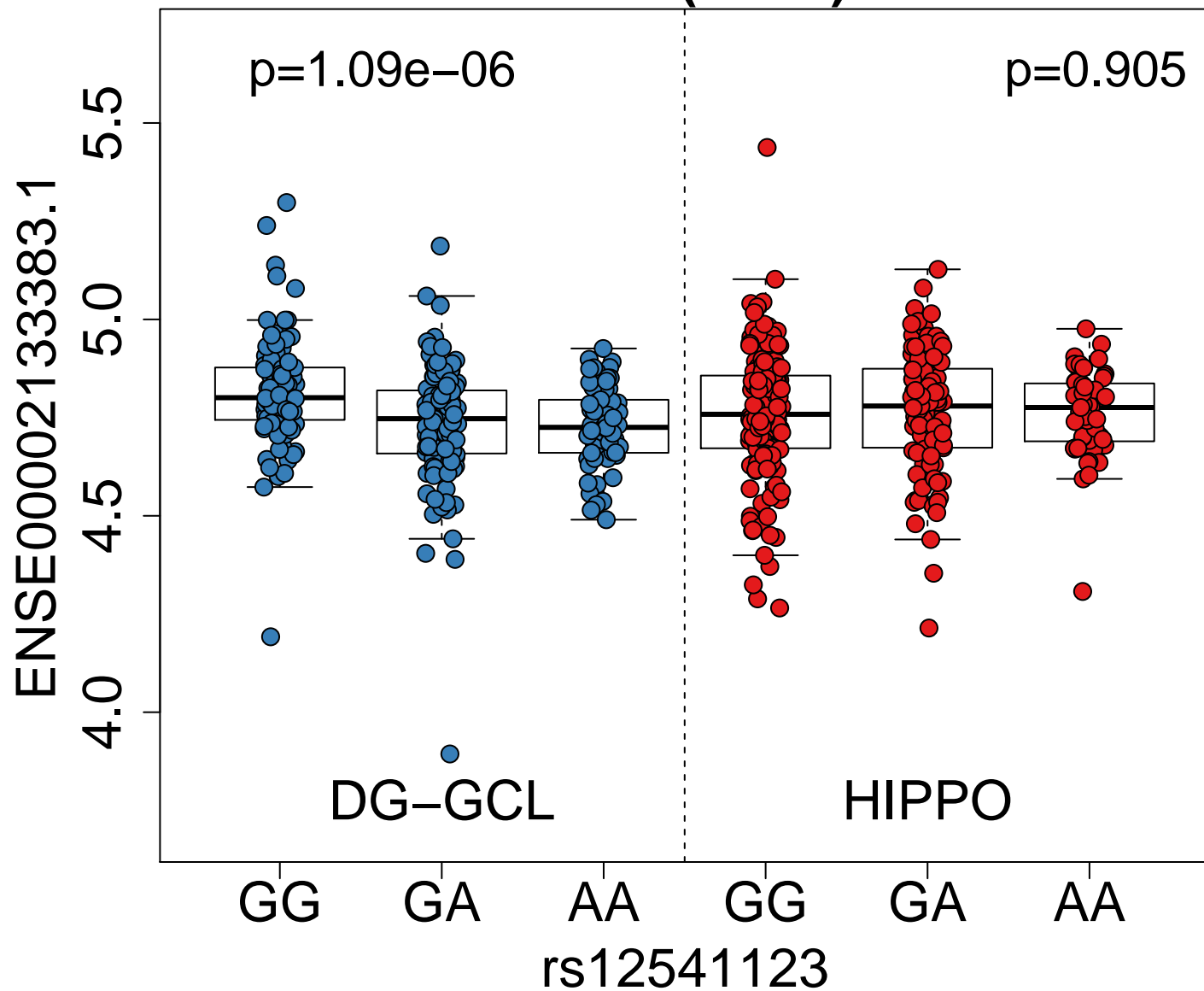


Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)

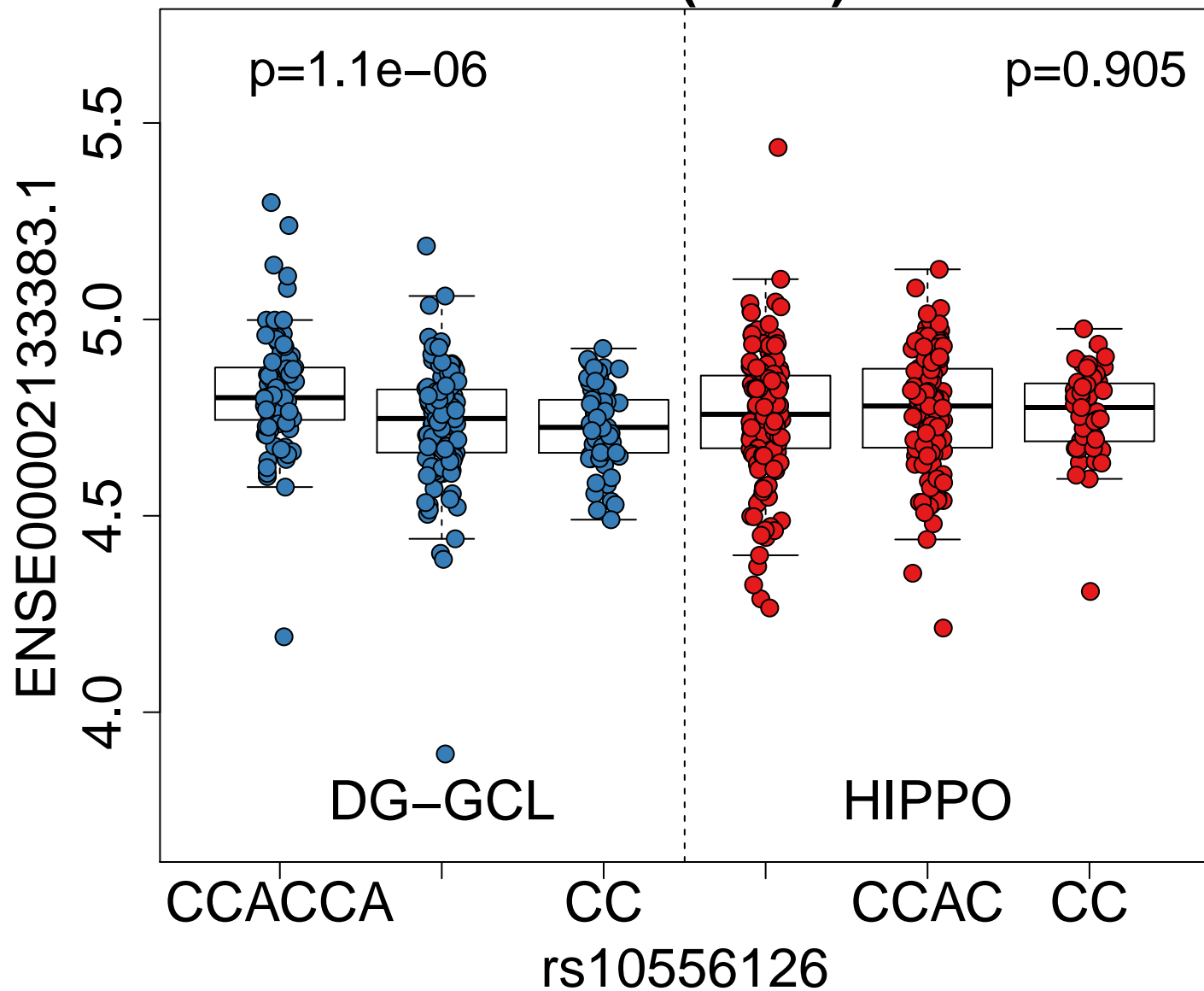


Index: rs2410572 ($R^2=1$)
PSD3 (Exon)



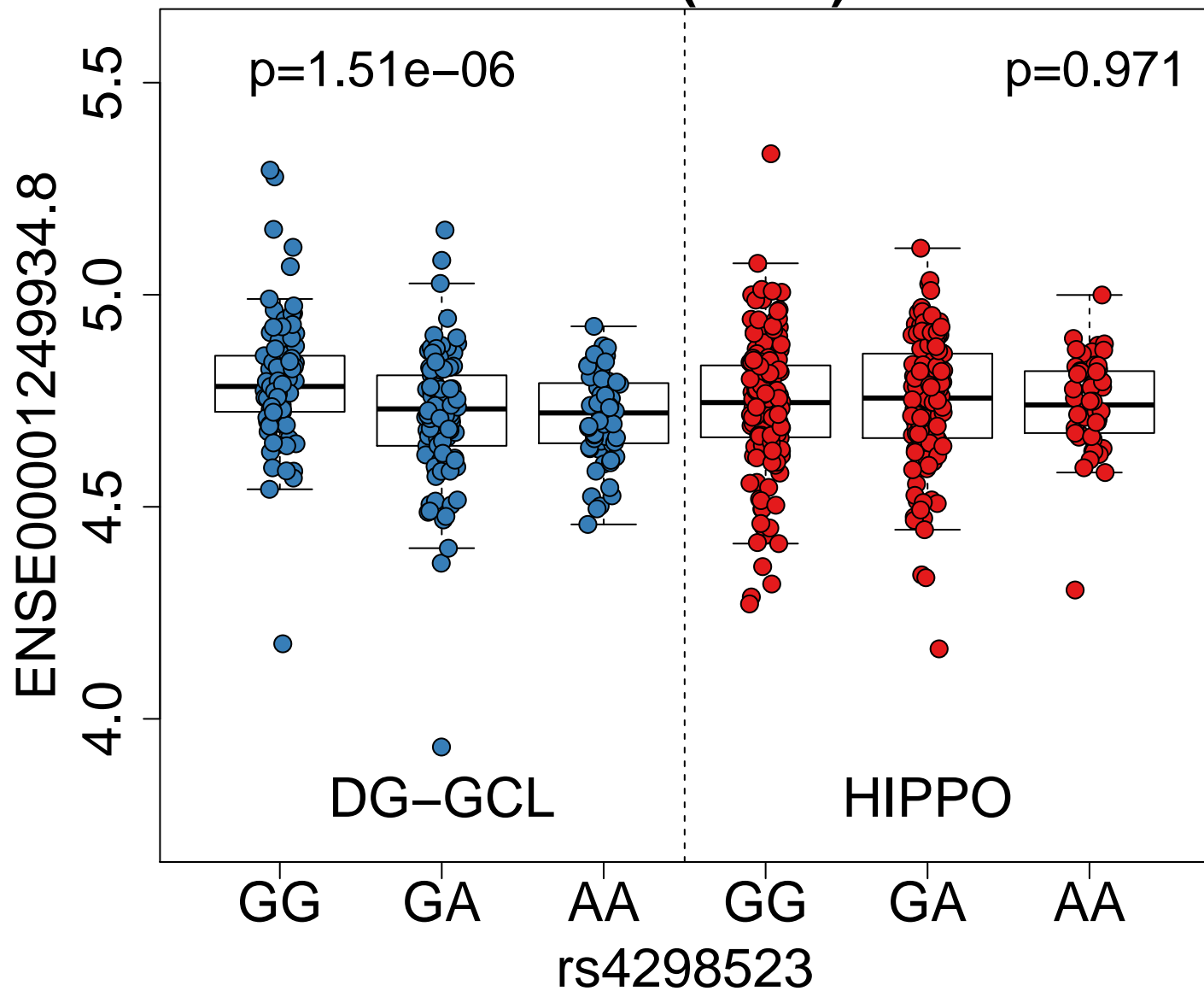
Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)

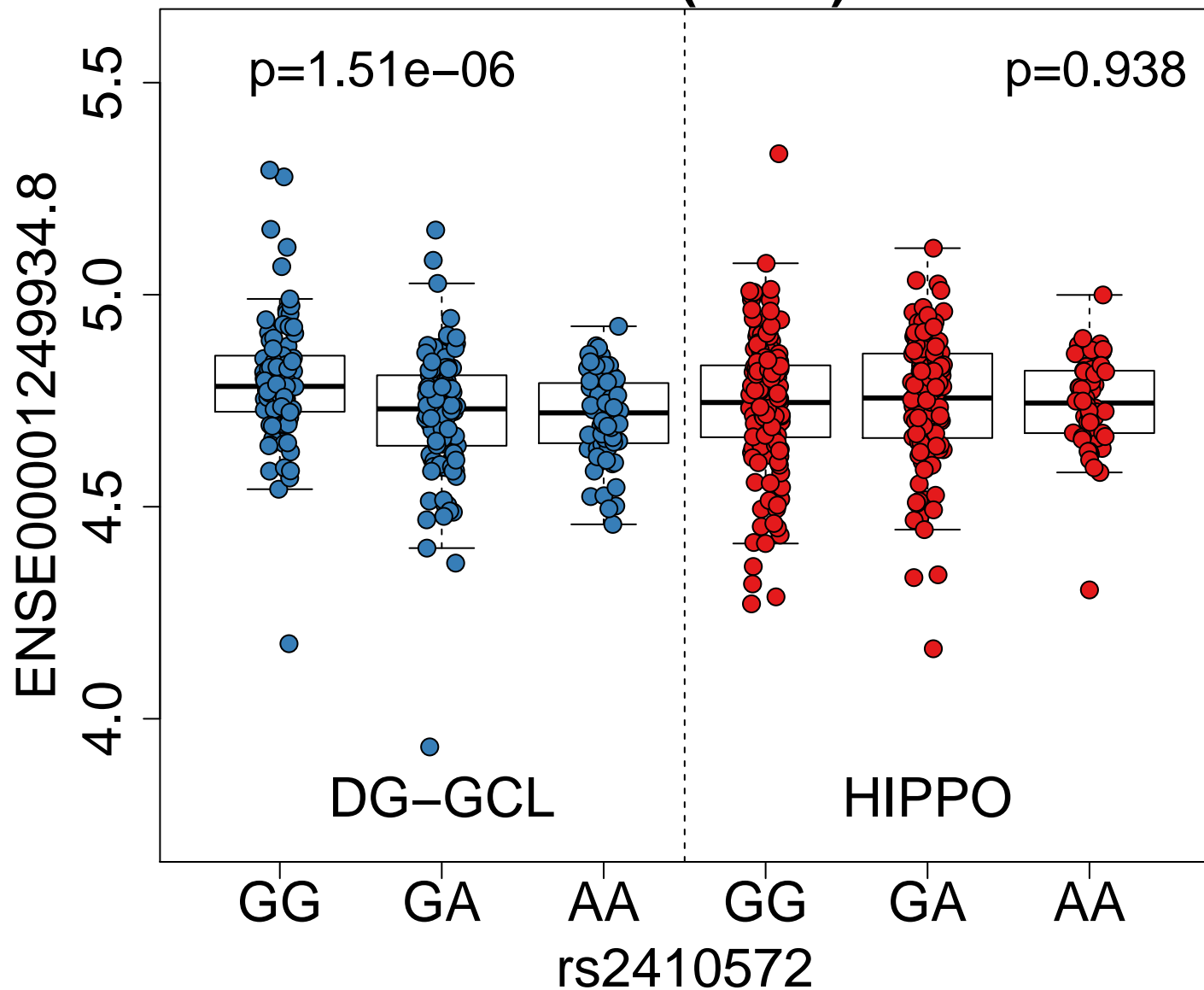


Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)

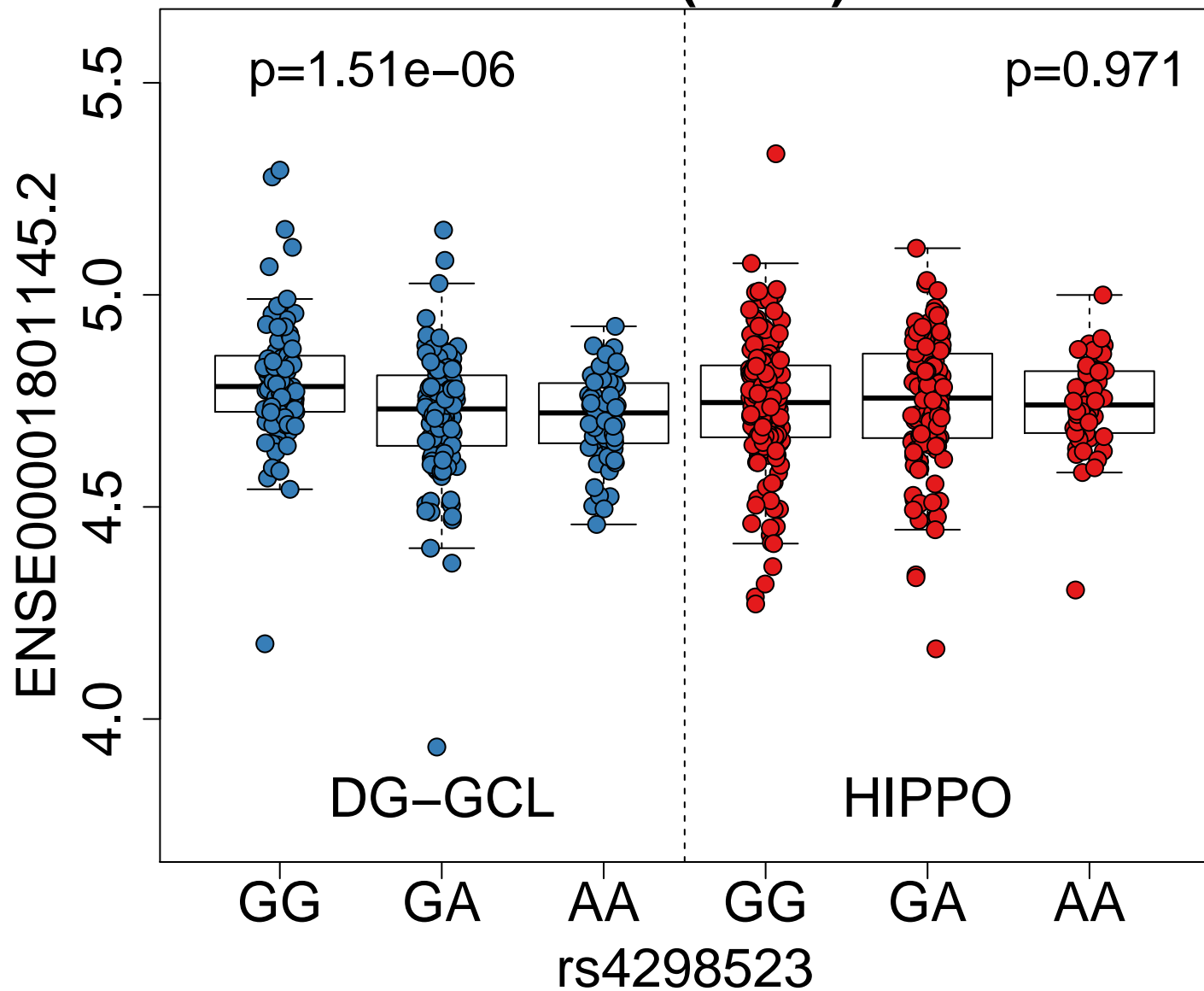


Index: rs2410572 ($R^2=1$)
PSD3 (Exon)

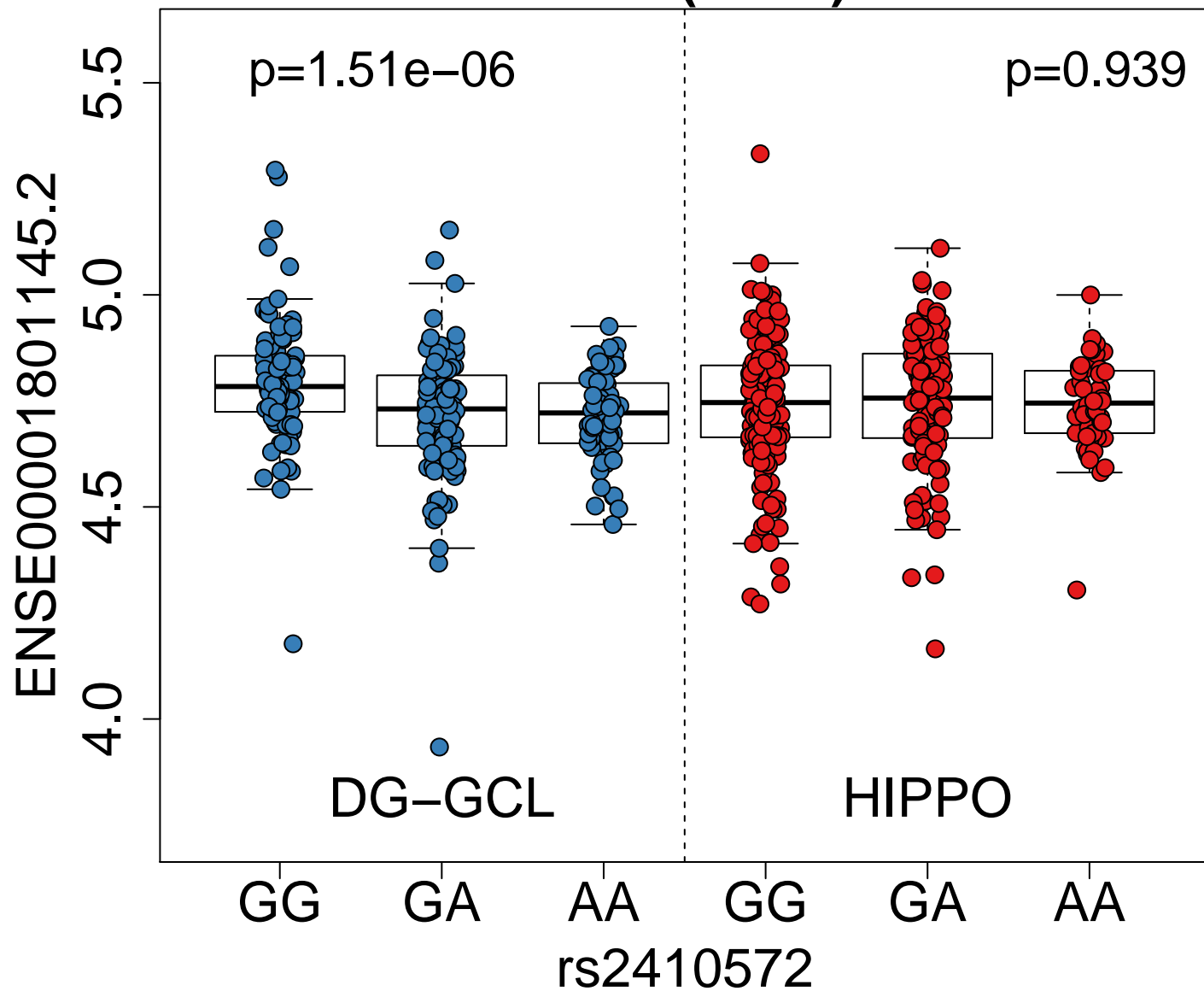


Index: rs2410572 ($R^2=0.993$)

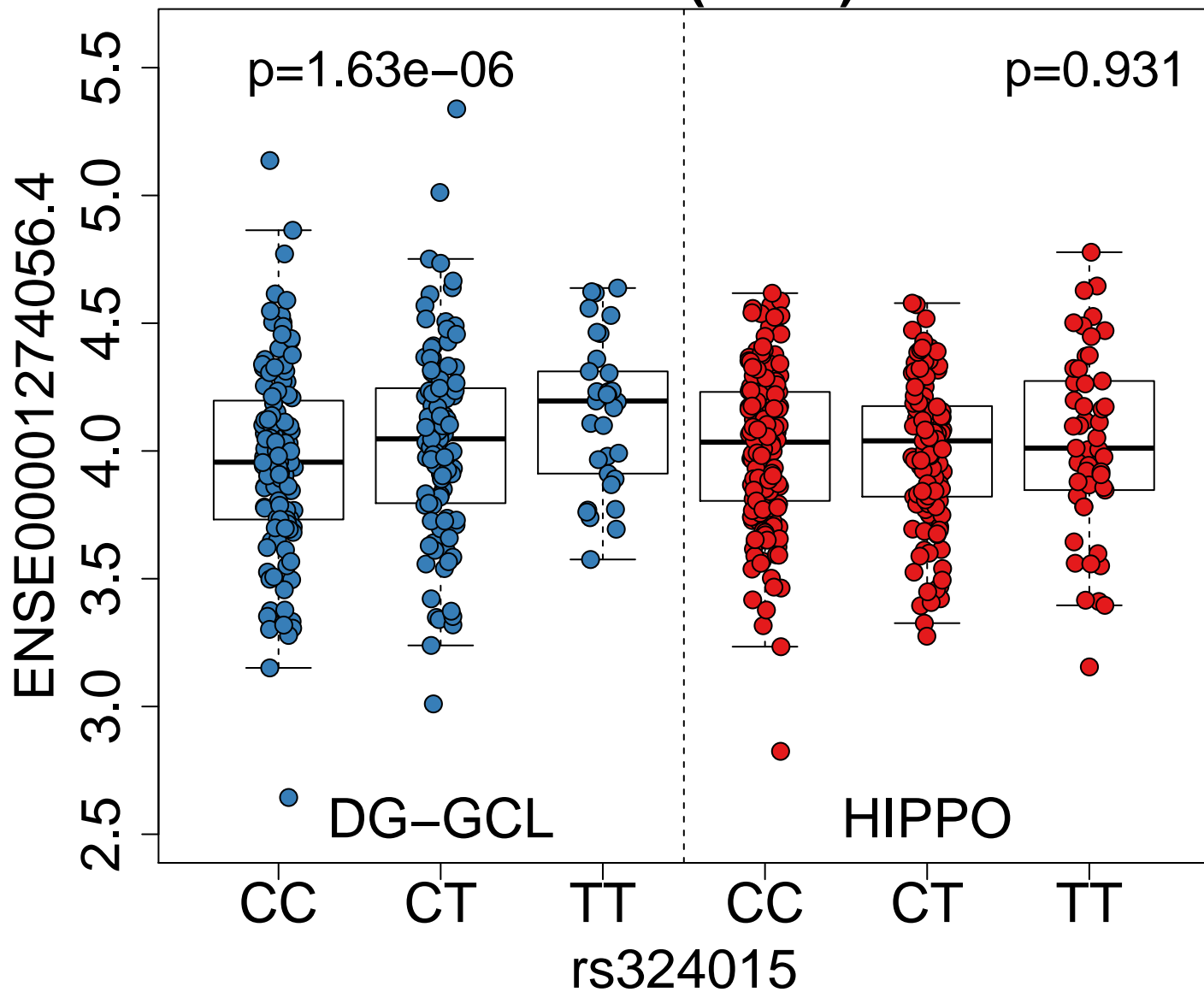
PSD3 (Exon)



Index: rs2410572 ($R^2=1$)
PSD3 (Exon)

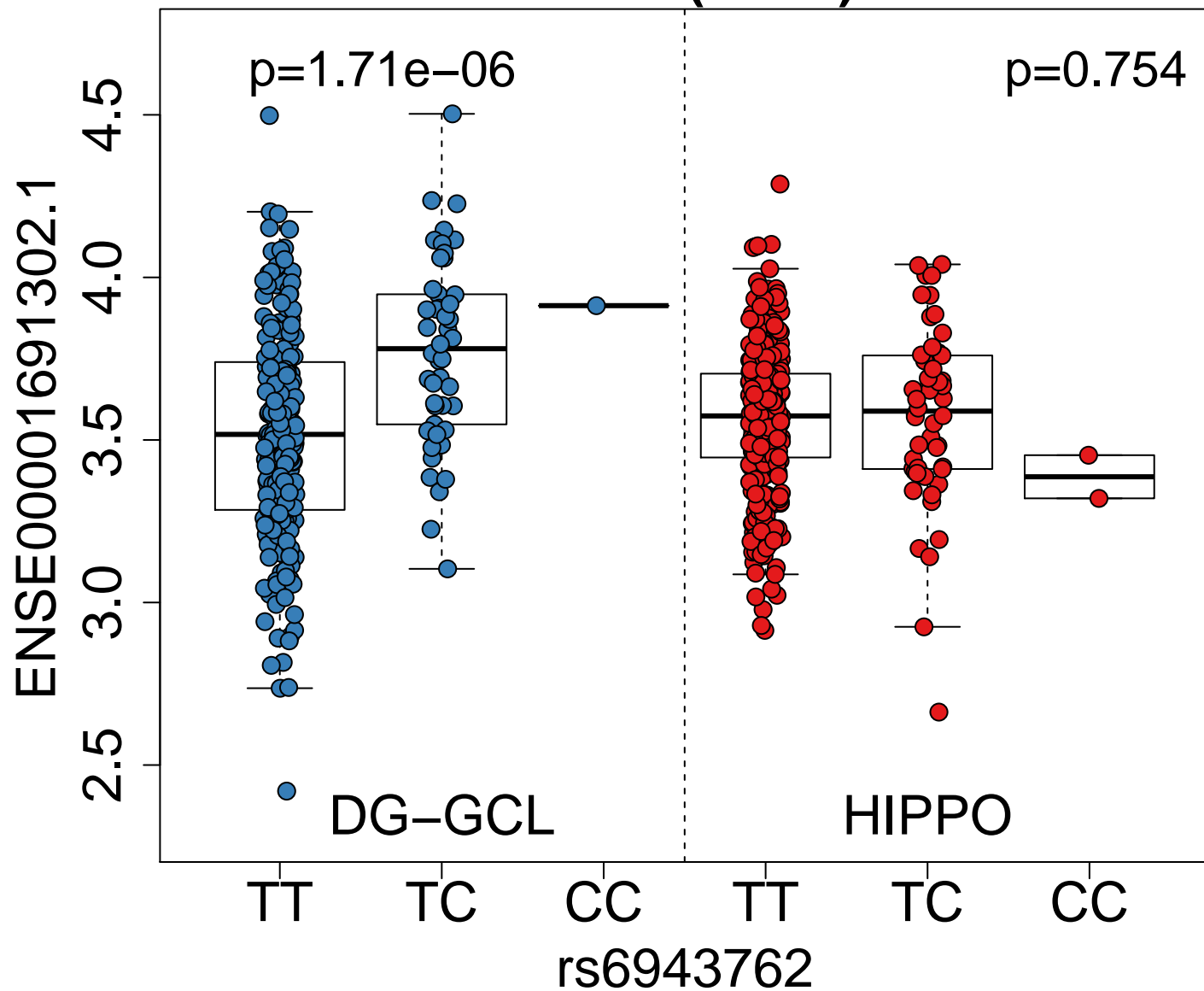


Index: rs324015 ($R^2=1$)
MARS (Exon)



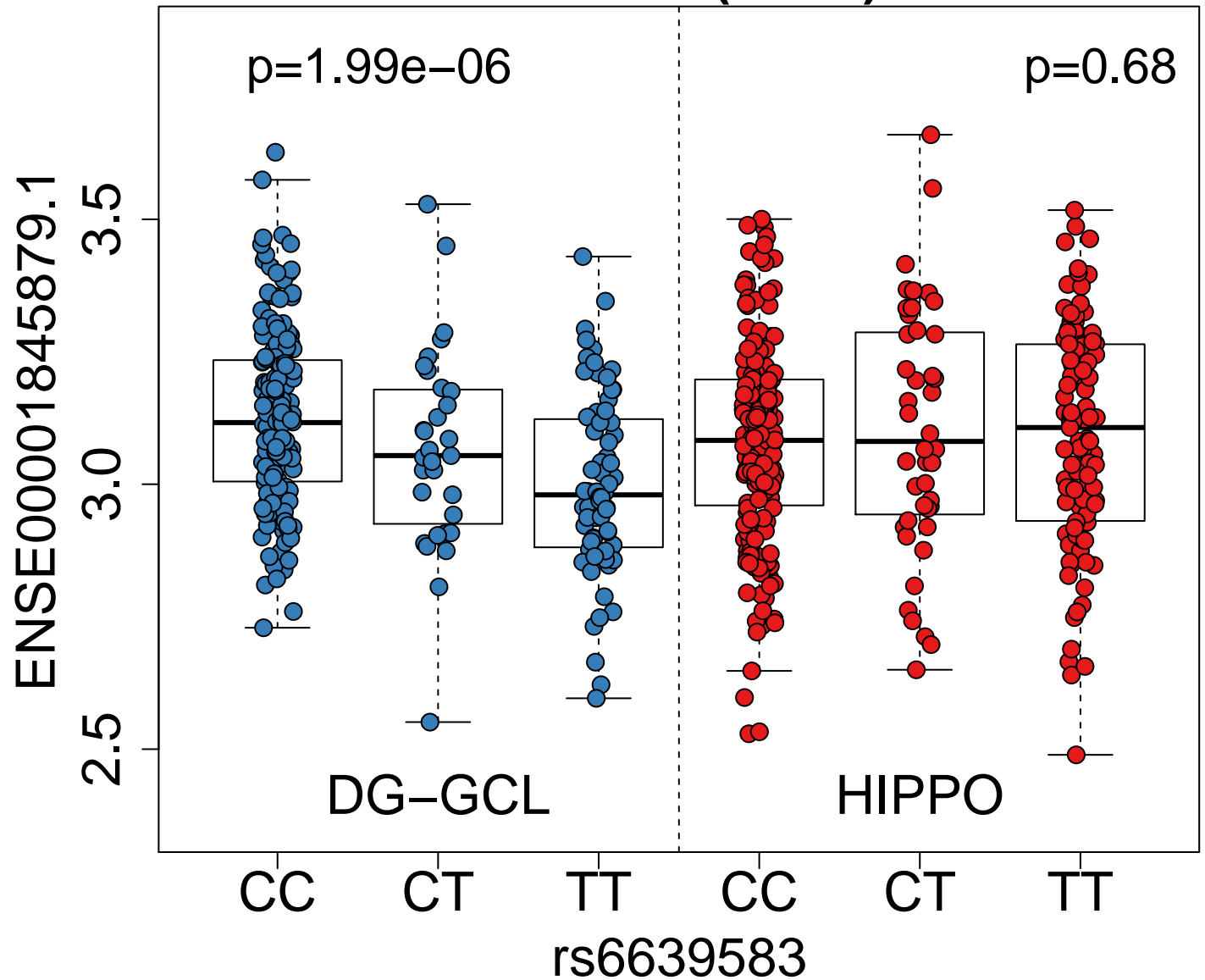
Index: rs12704290 ($R^2=0.817$)

GRM3 (Exon)



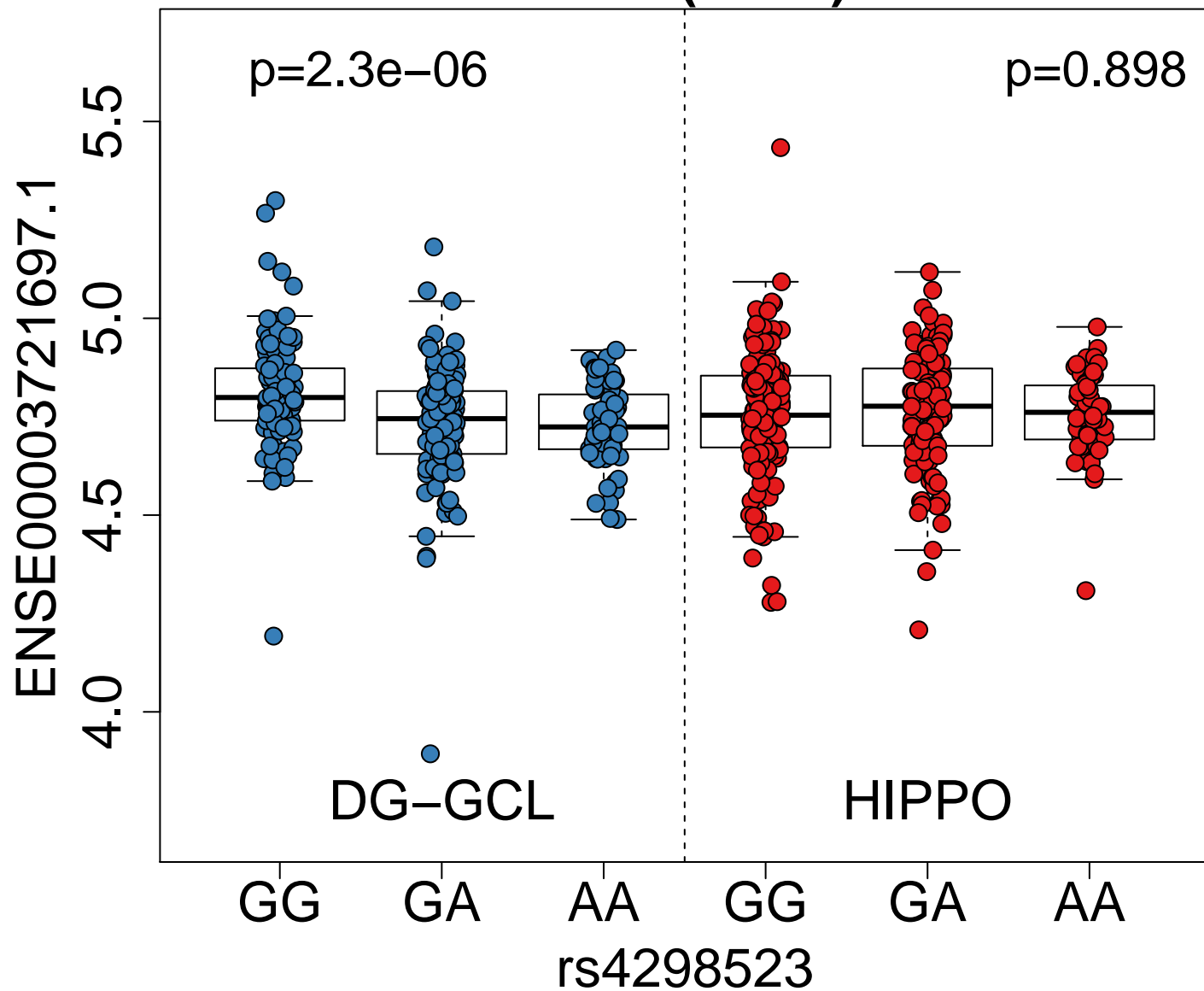
Index: rs12009217 ($R^2=0.809$)

NLGN4X (Exon)

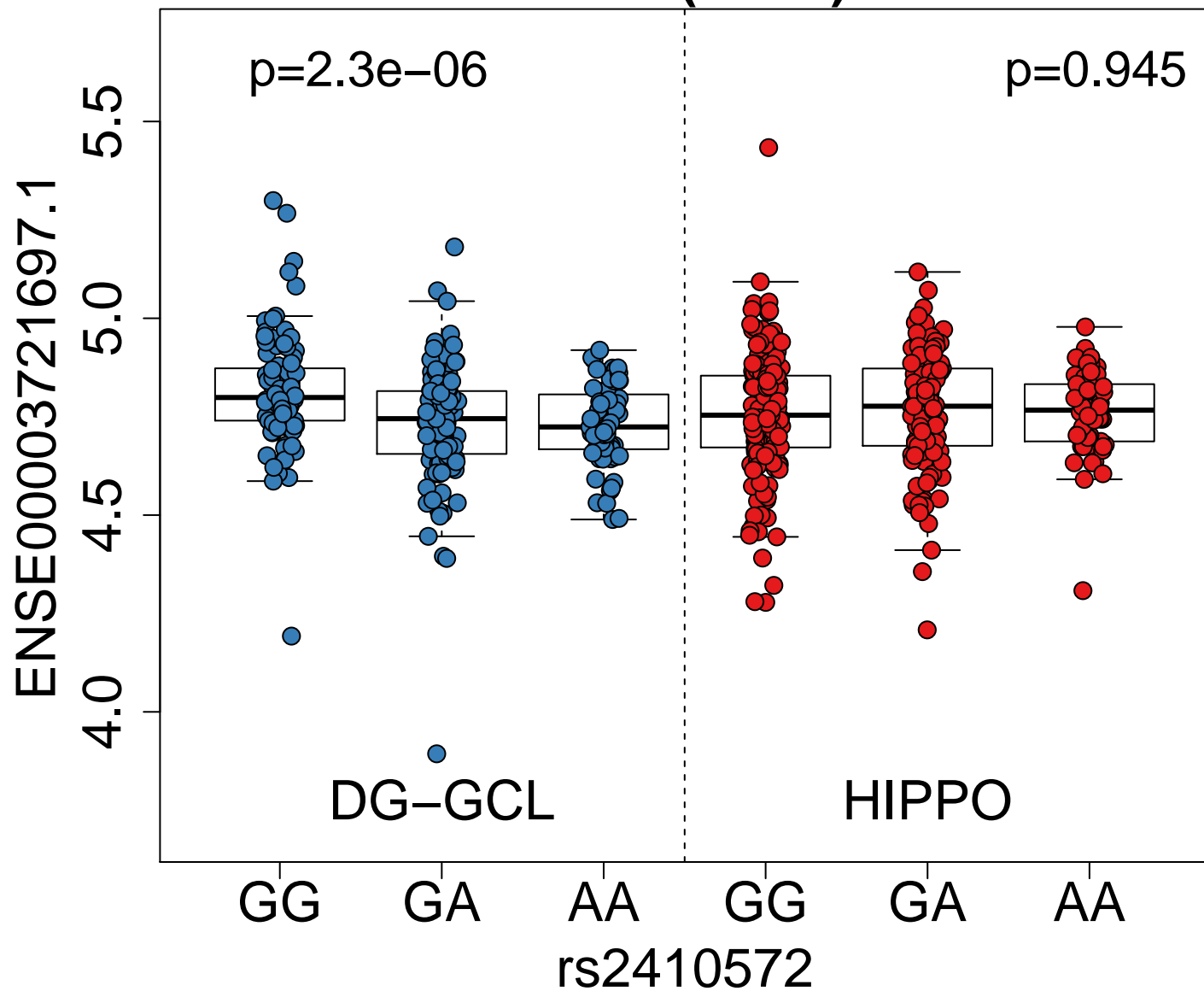


Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)

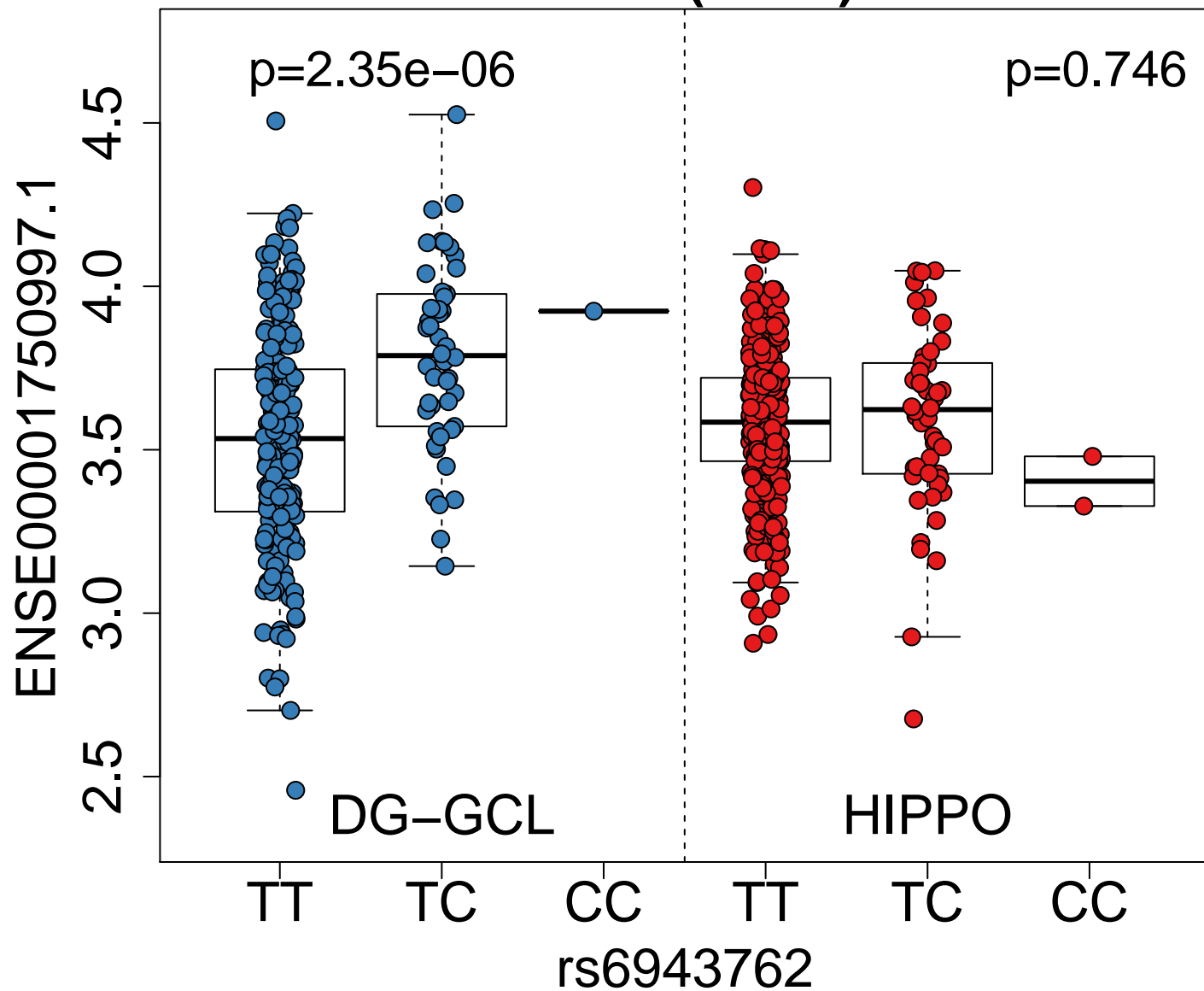


Index: rs2410572 ($R^2=1$)
PSD3 (Exon)



Index: rs12704290 ($R^2=0.817$)

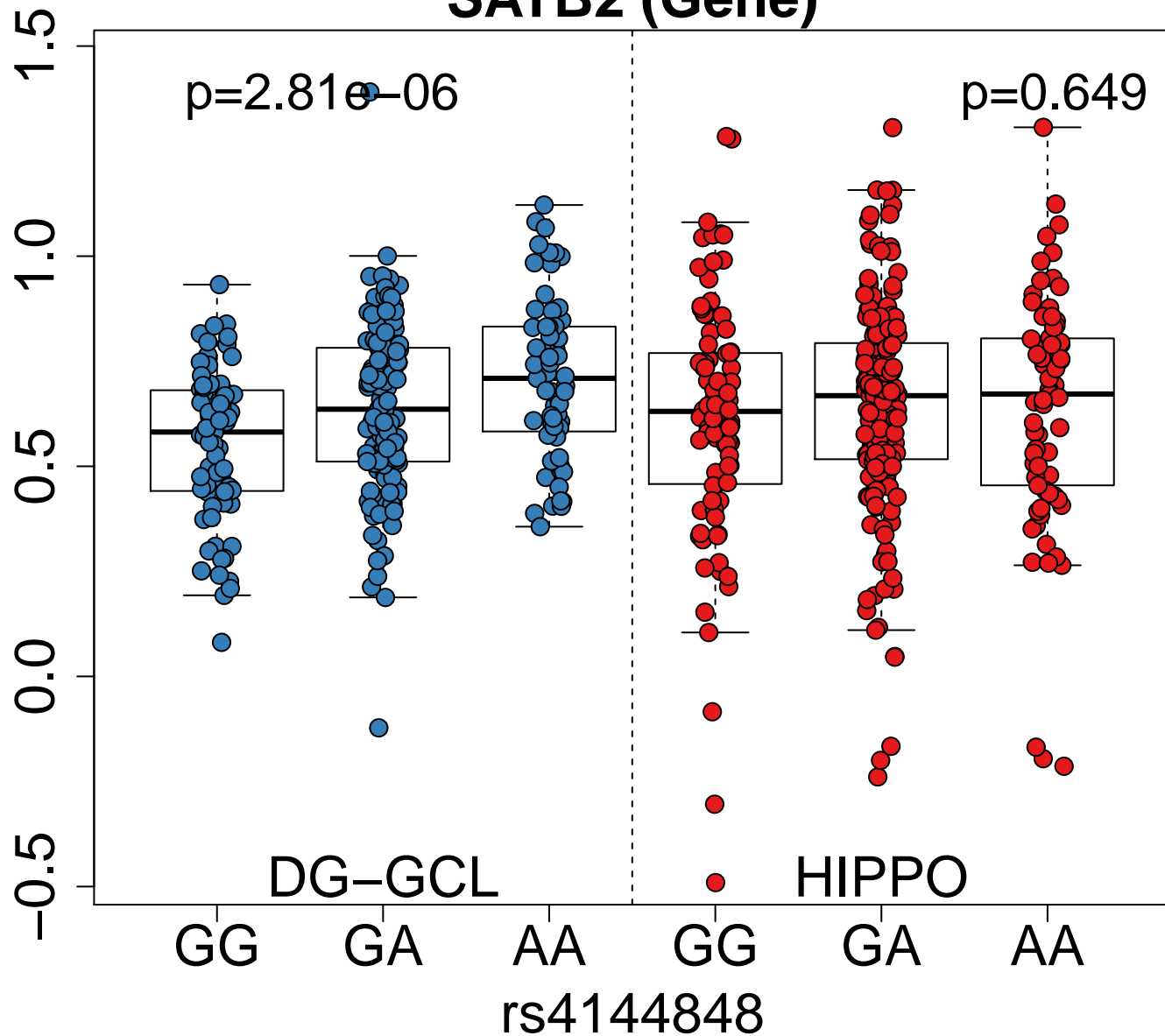
GRM3 (Exon)



Index: rs1451488 ($R^2=0.876$)

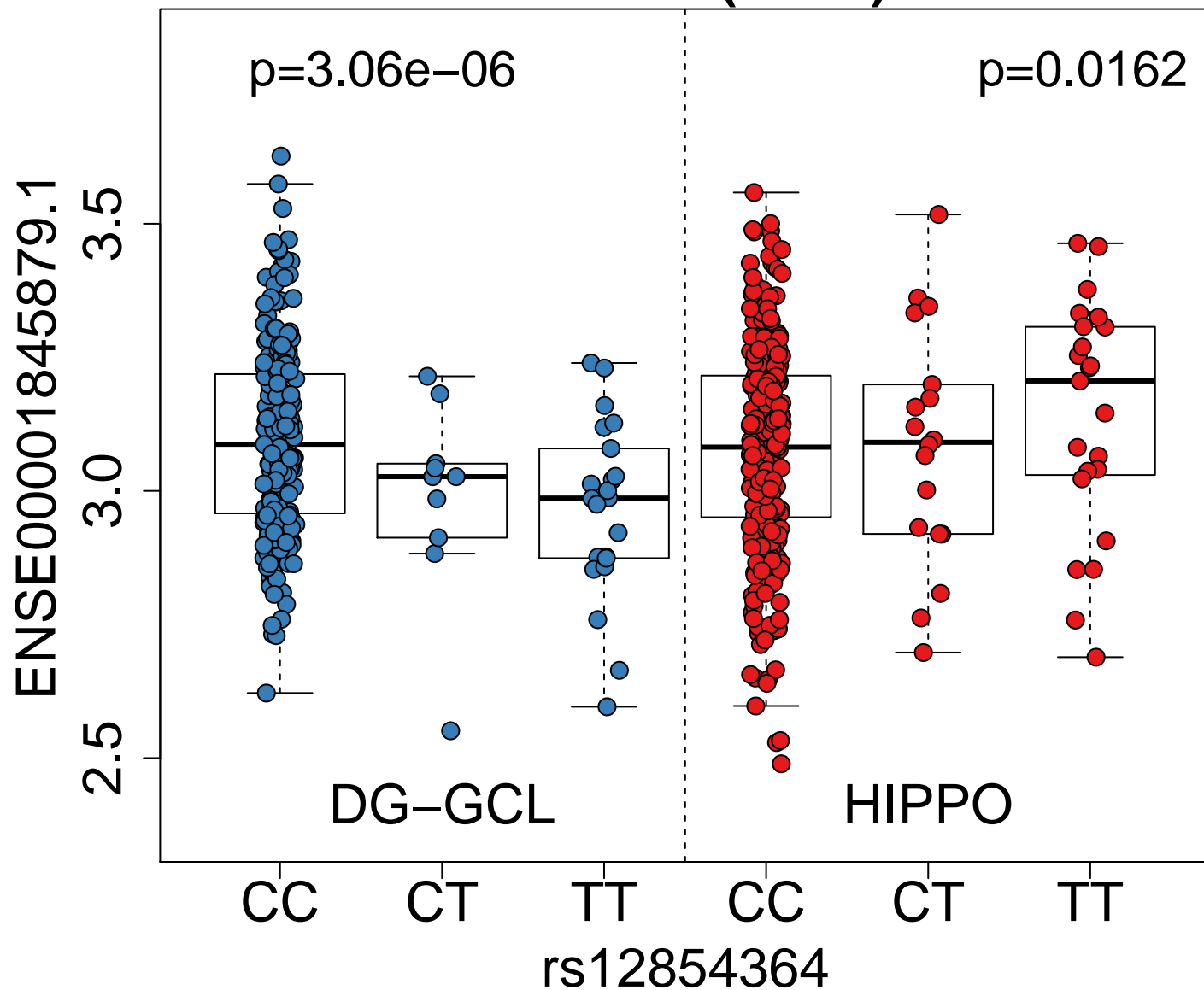
SATB2 (Gene)

ENSG00000119042.16



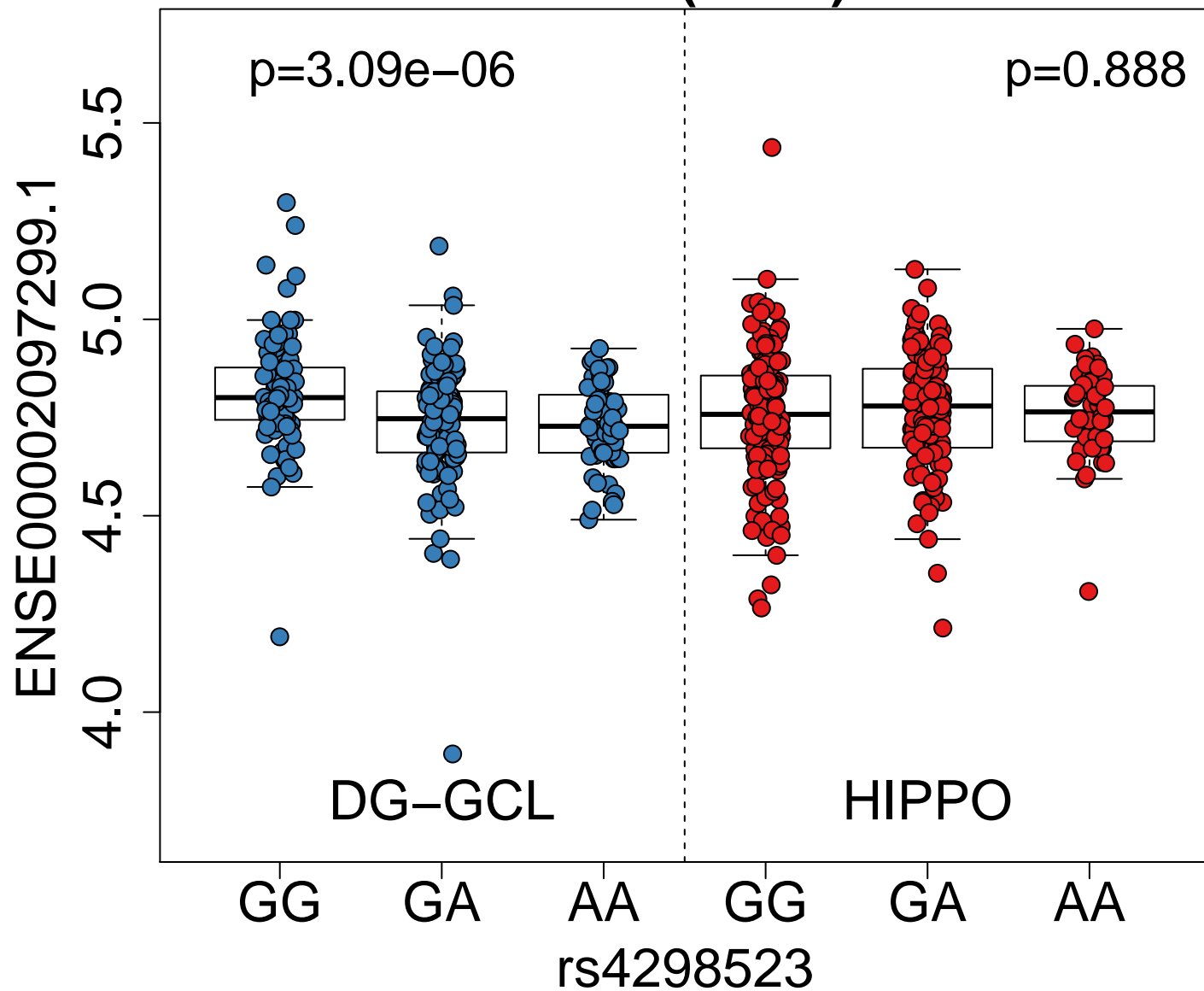
Index: rs12009217 ($R^2=0.958$)

NLGN4X (Exon)

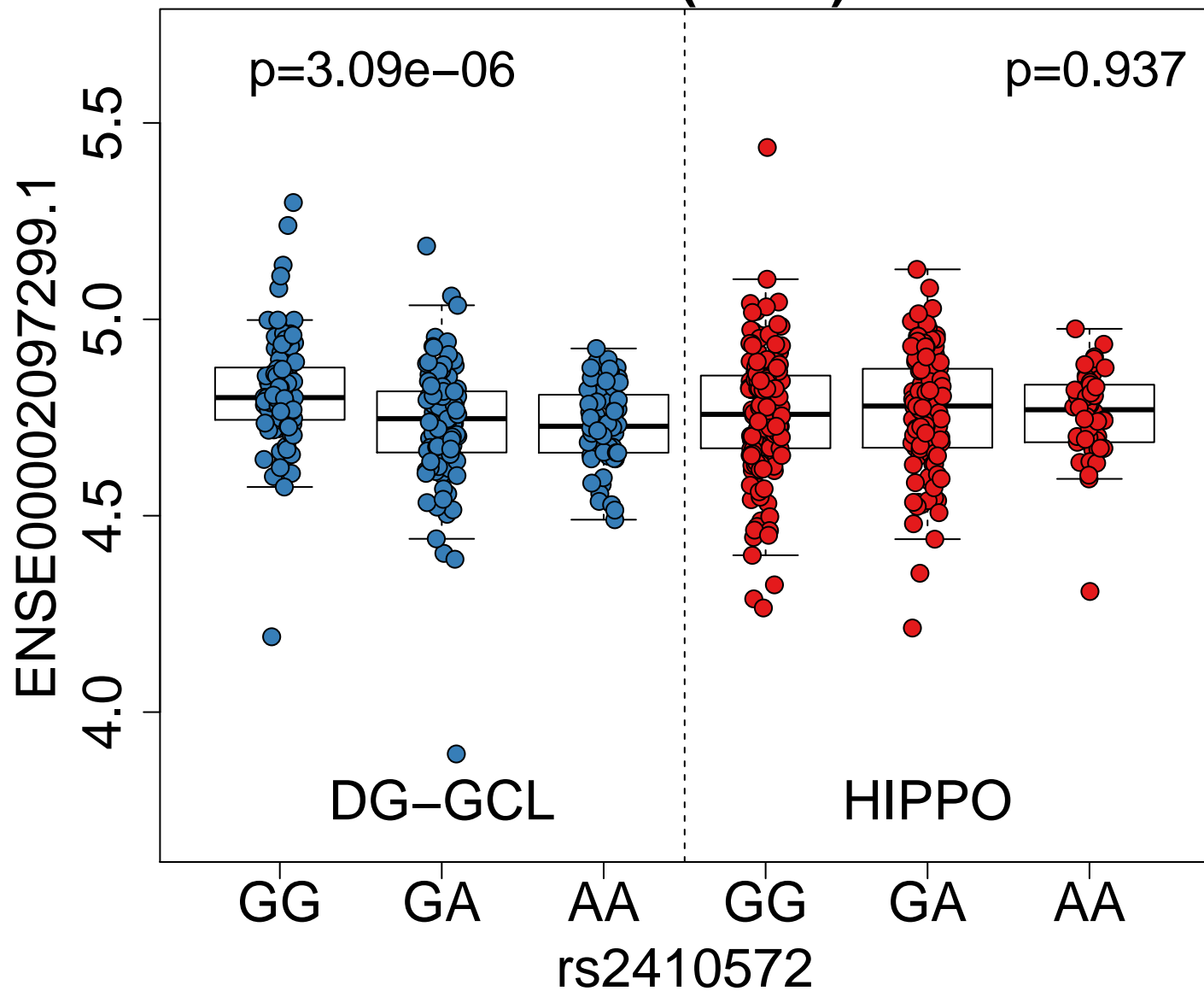


Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)

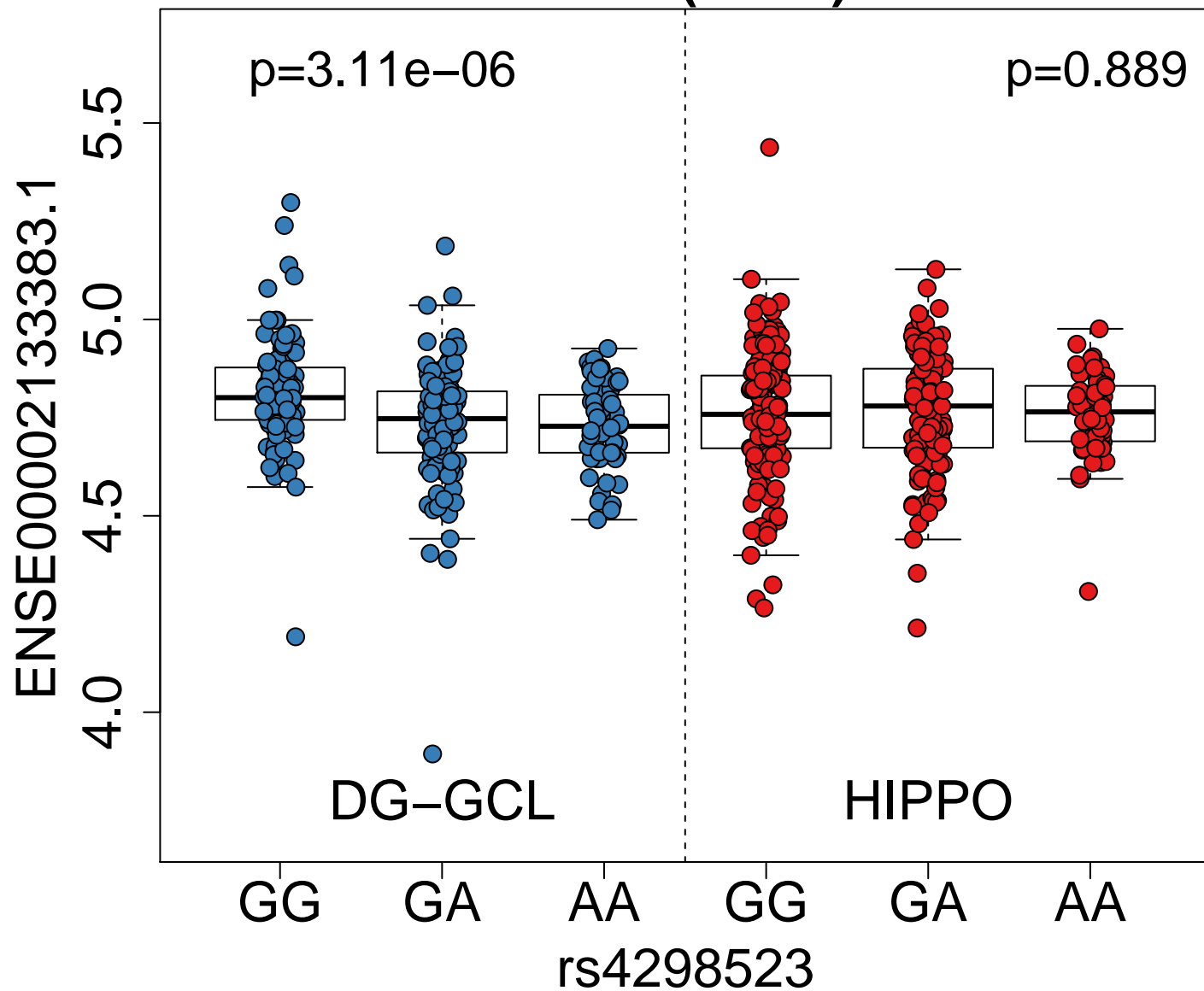


Index: rs2410572 ($R^2=1$)
PSD3 (Exon)

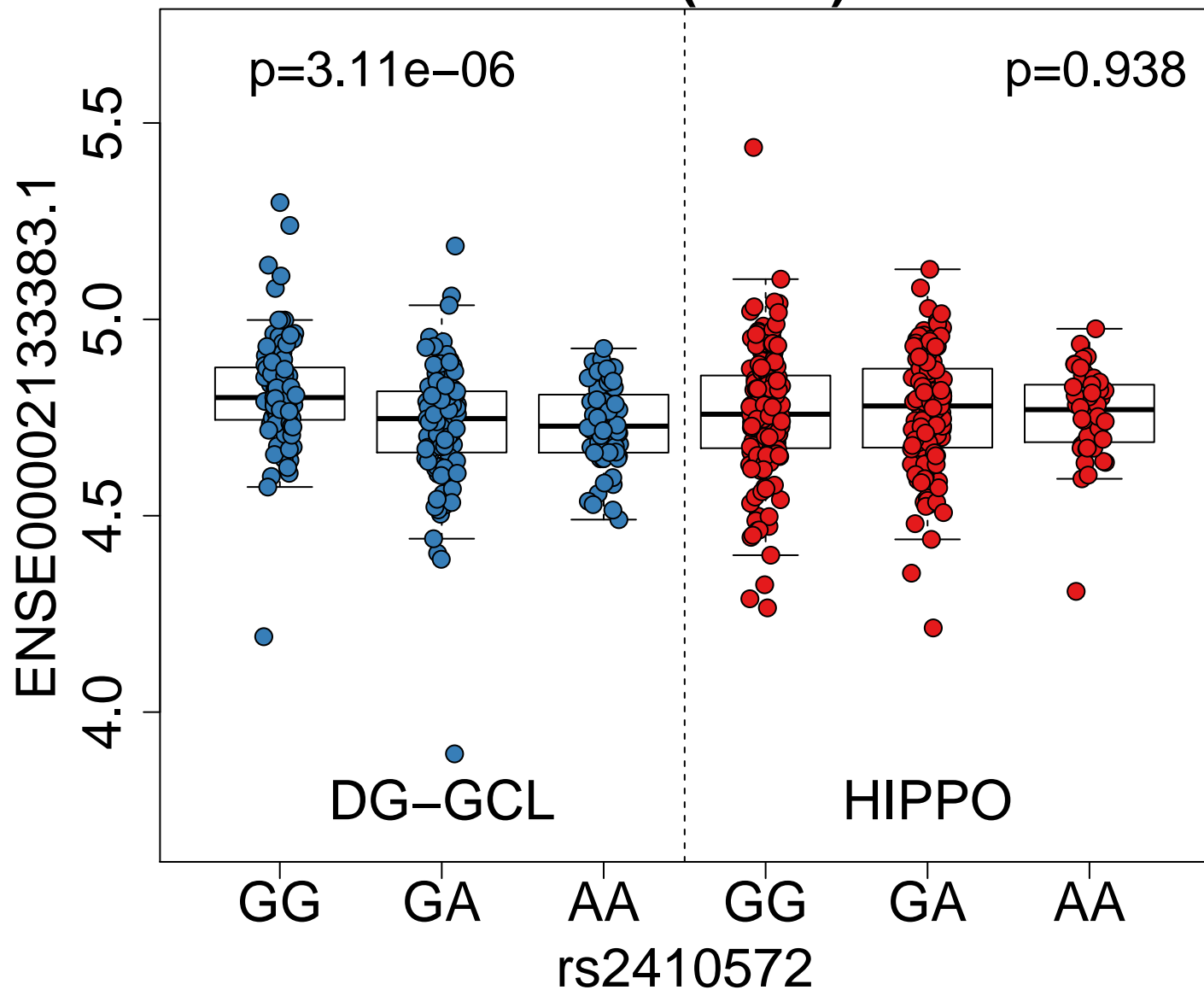


Index: rs2410572 ($R^2=0.993$)

PSD3 (Exon)

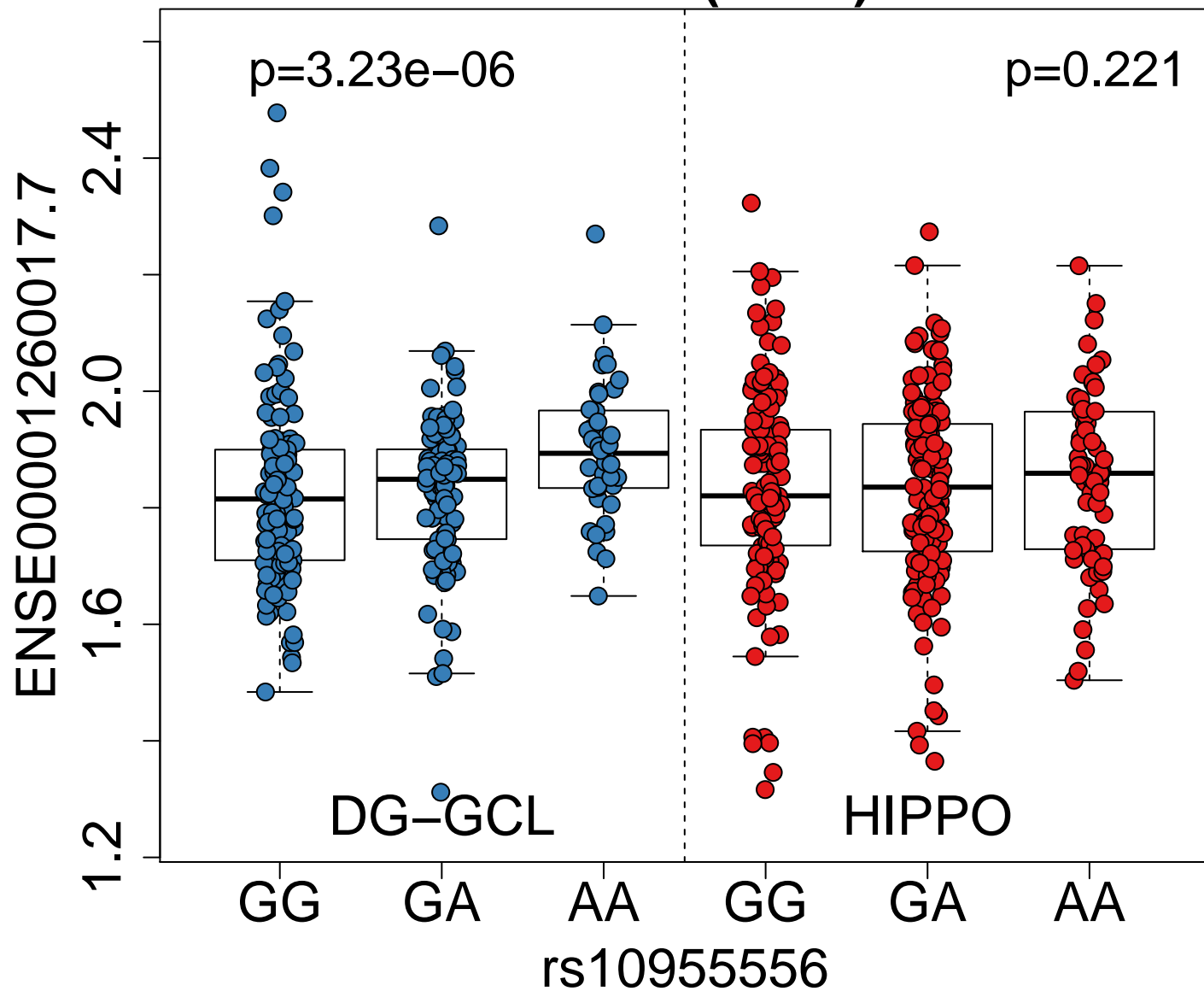


Index: rs2410572 ($R^2=1$)
PSD3 (Exon)



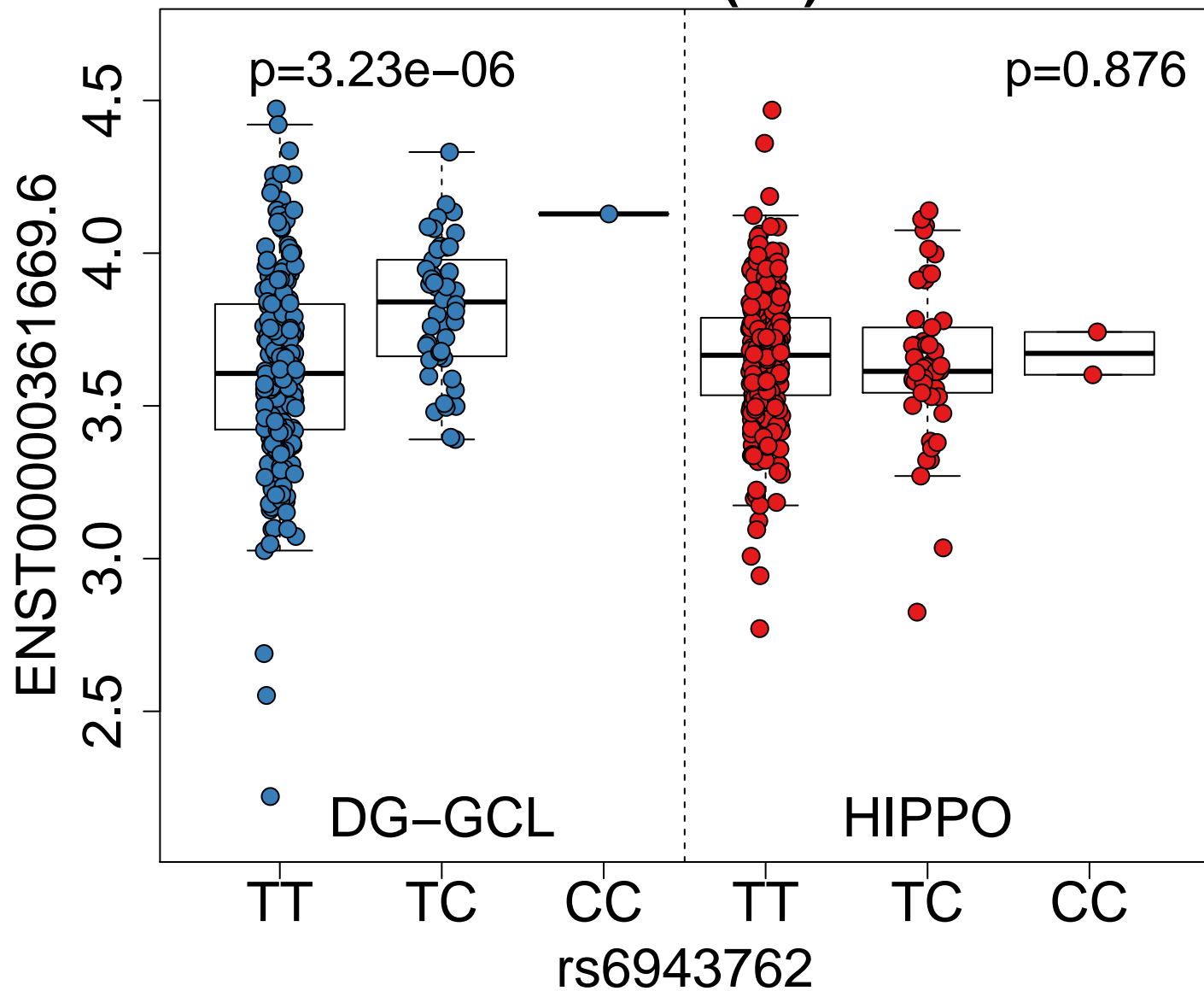
Index: rs7010876 ($R^2=0.848$)

MMP16 (Exon)



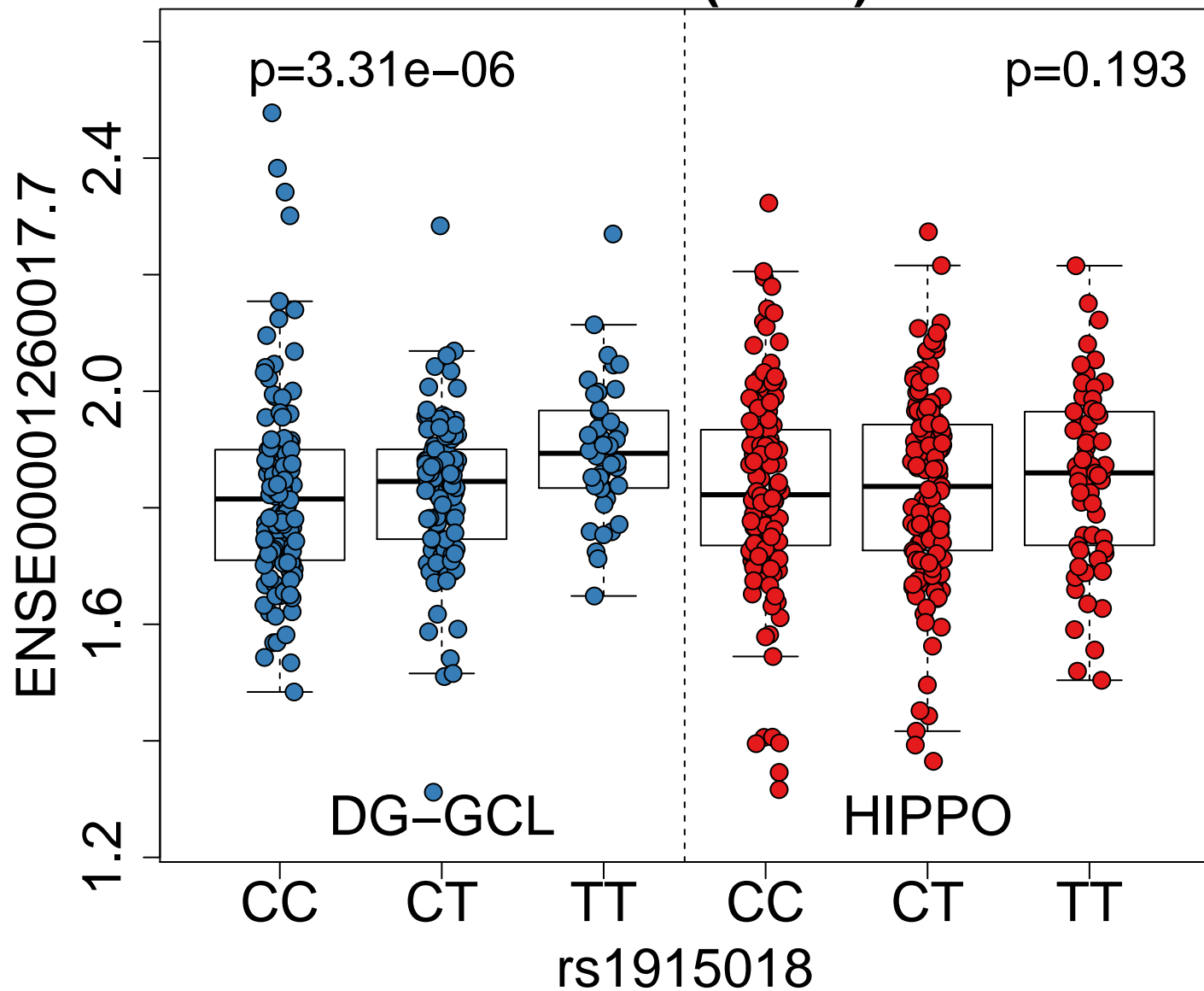
Index: rs12704290 ($R^2=0.817$)

GRM3 (Tx)



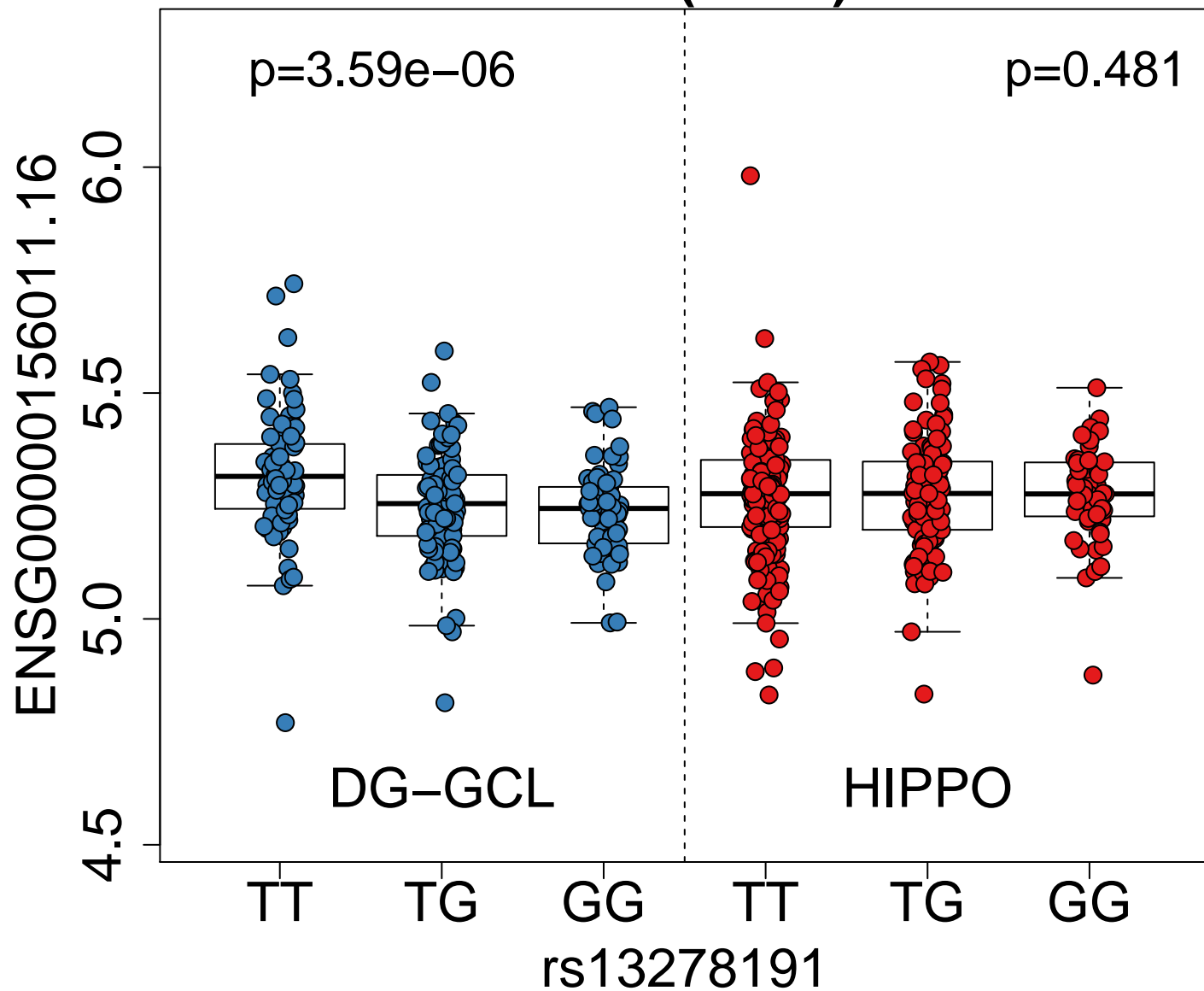
Index: rs7010876 ($R^2=0.843$)

MMP16 (Exon)



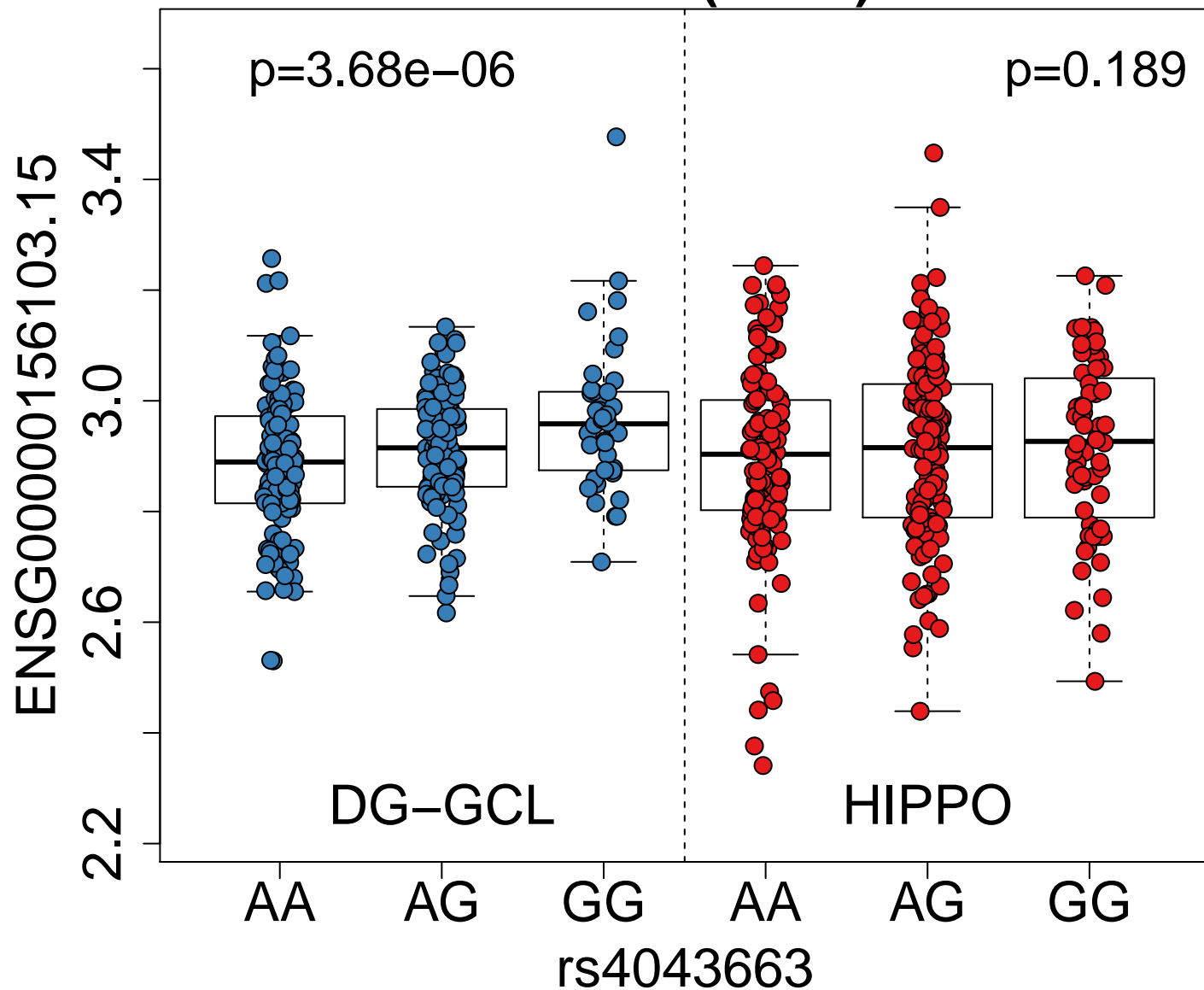
Index: rs2410572 ($R^2=0.993$)

PSD3 (Gene)

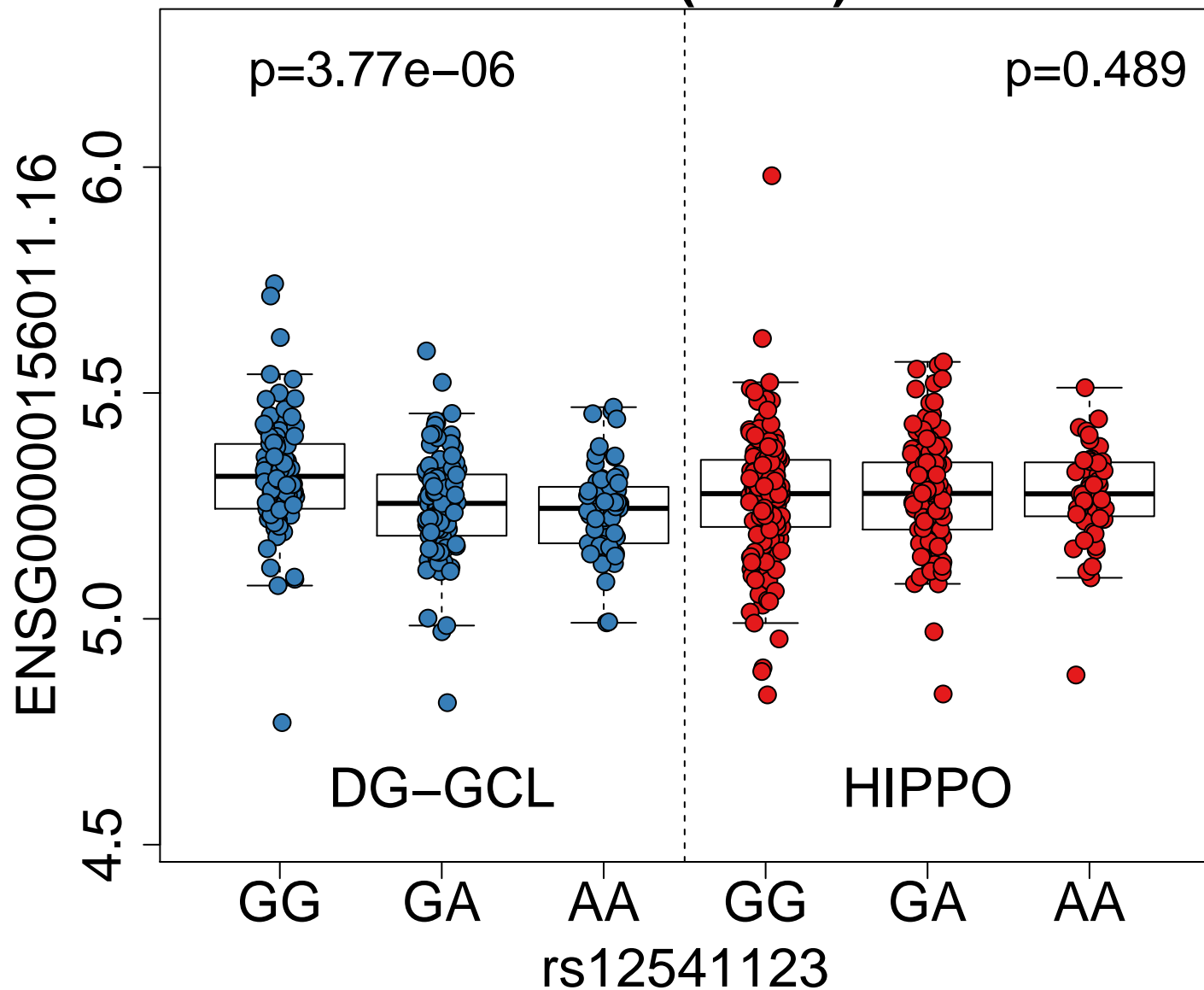


Index: rs7010876 ($R^2=0.843$)

MMP16 (Gene)

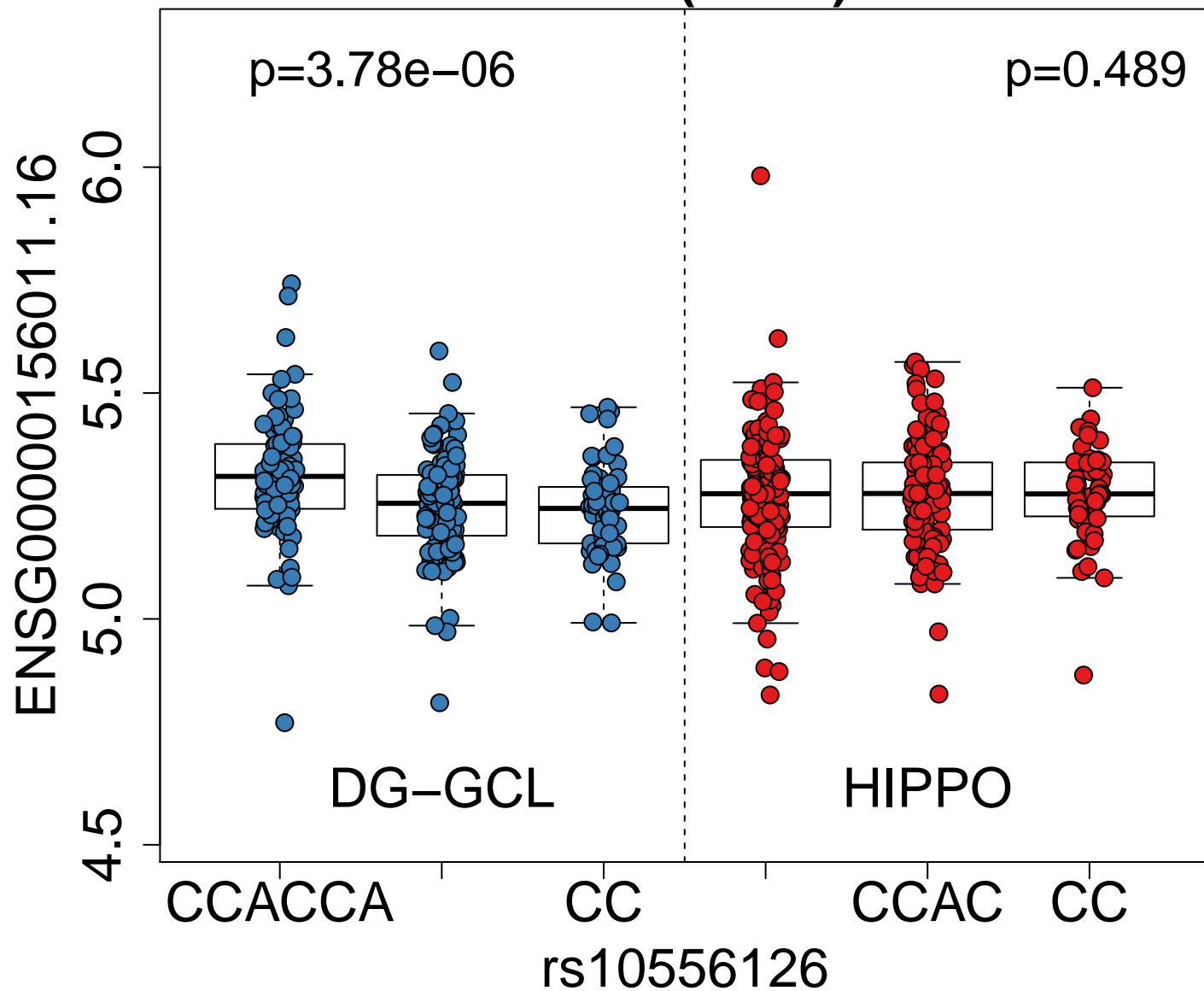


Index: rs2410572 ($R^2=1$)
PSD3 (Gene)



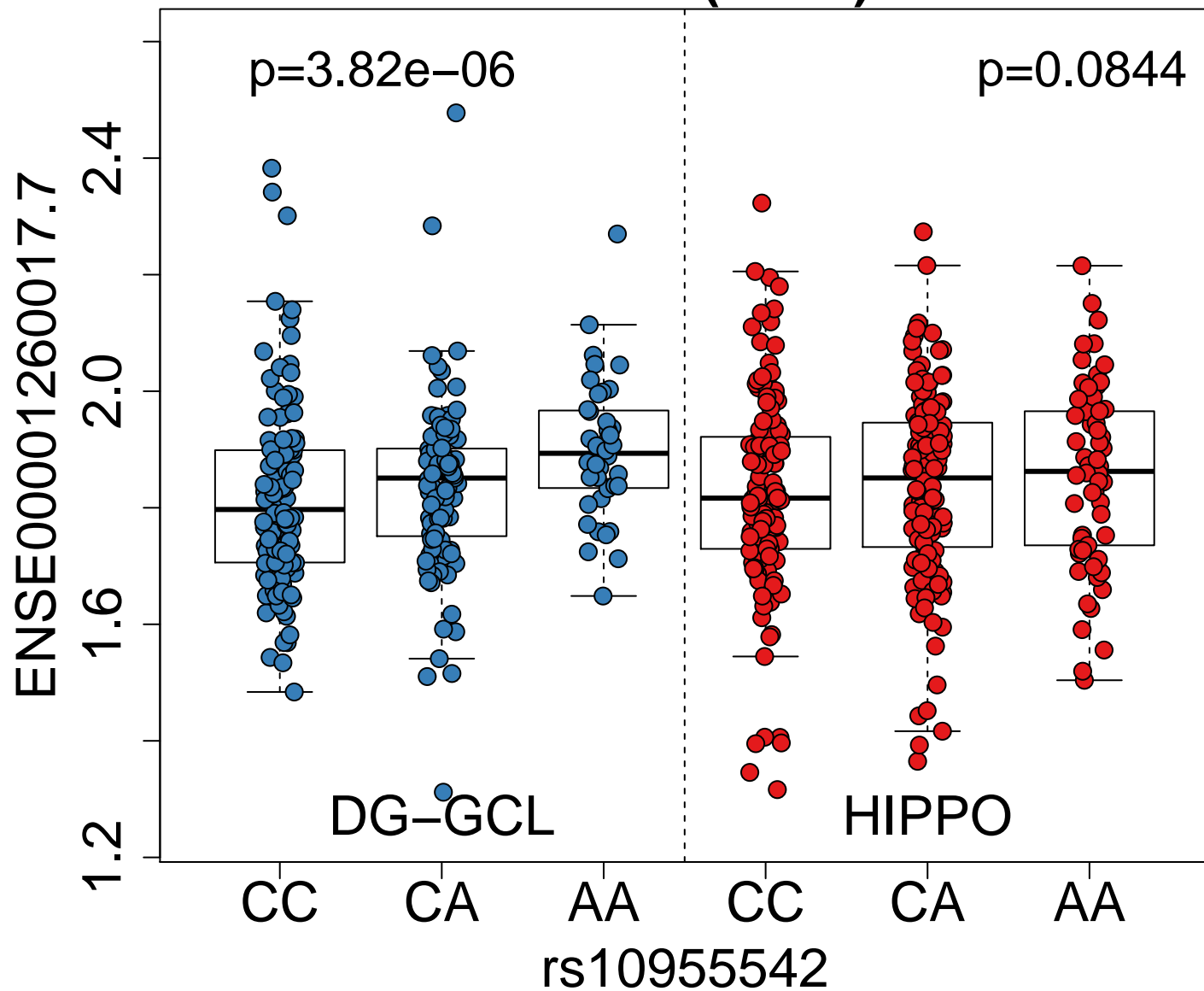
Index: rs2410572 ($R^2=0.993$)

PSD3 (Gene)



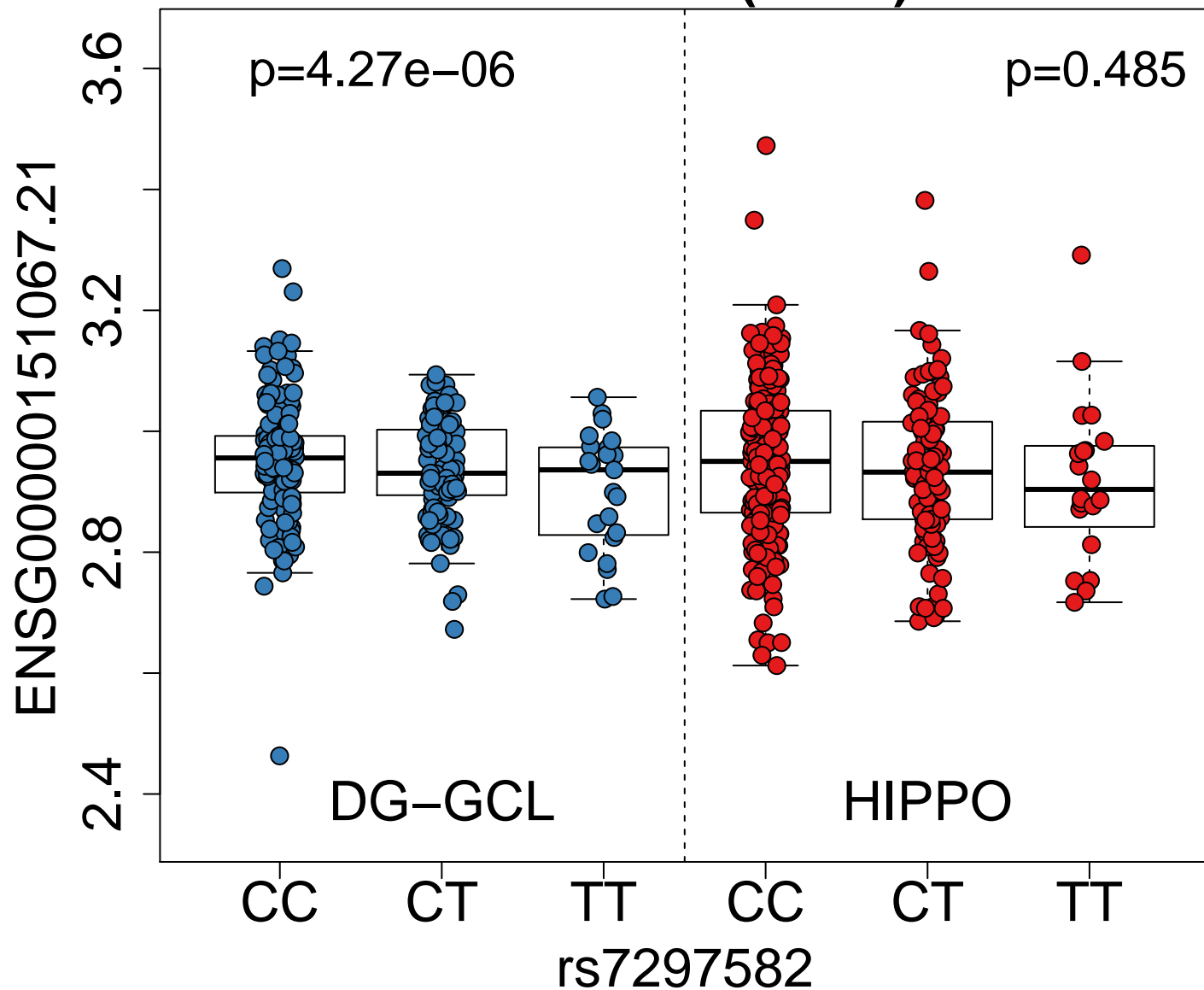
Index: rs7010876 ($R^2=0.843$)

MMP16 (Exon)



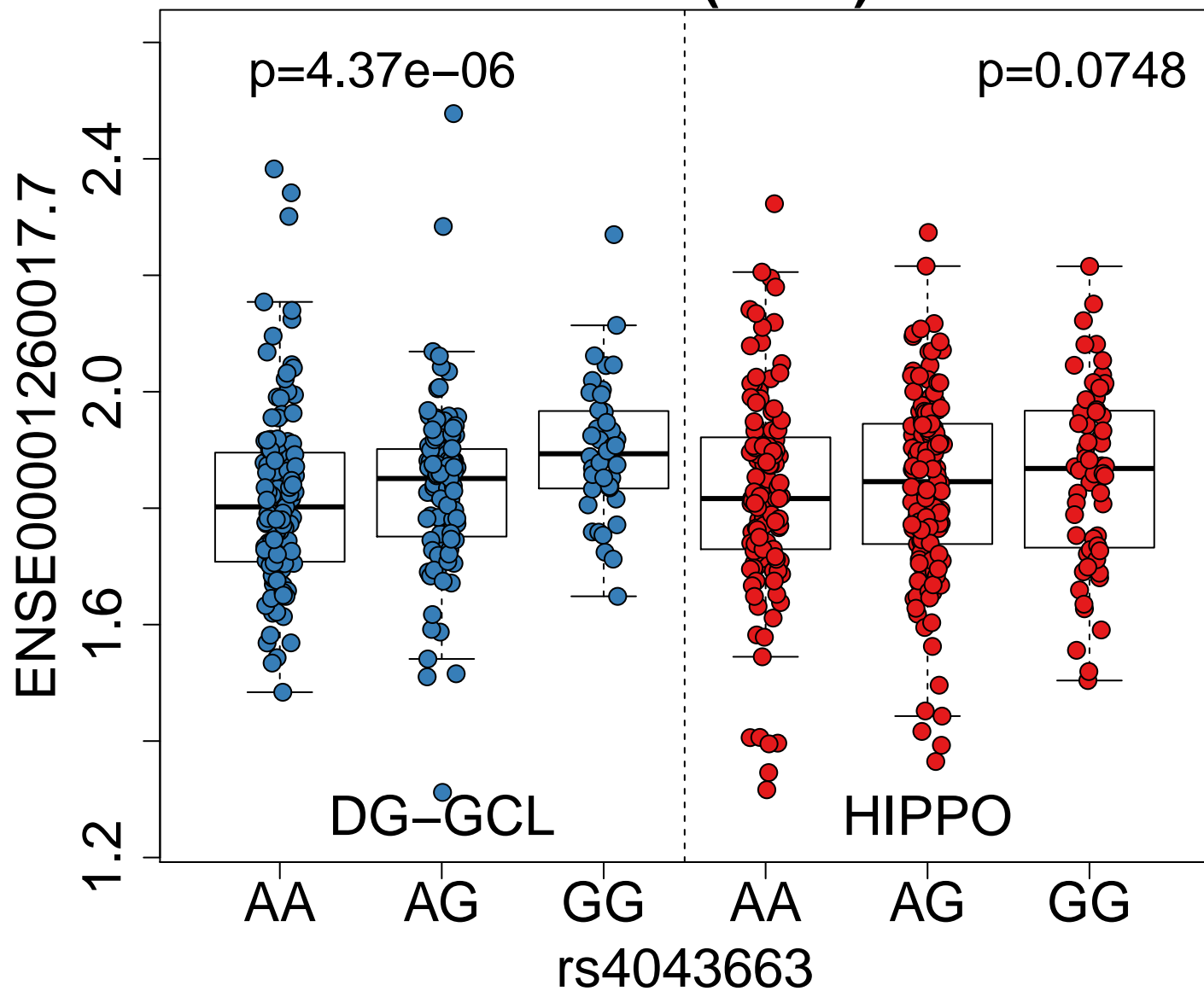
Index: rs2007044 ($R^2=0.846$)

CACNA1C (Gene)



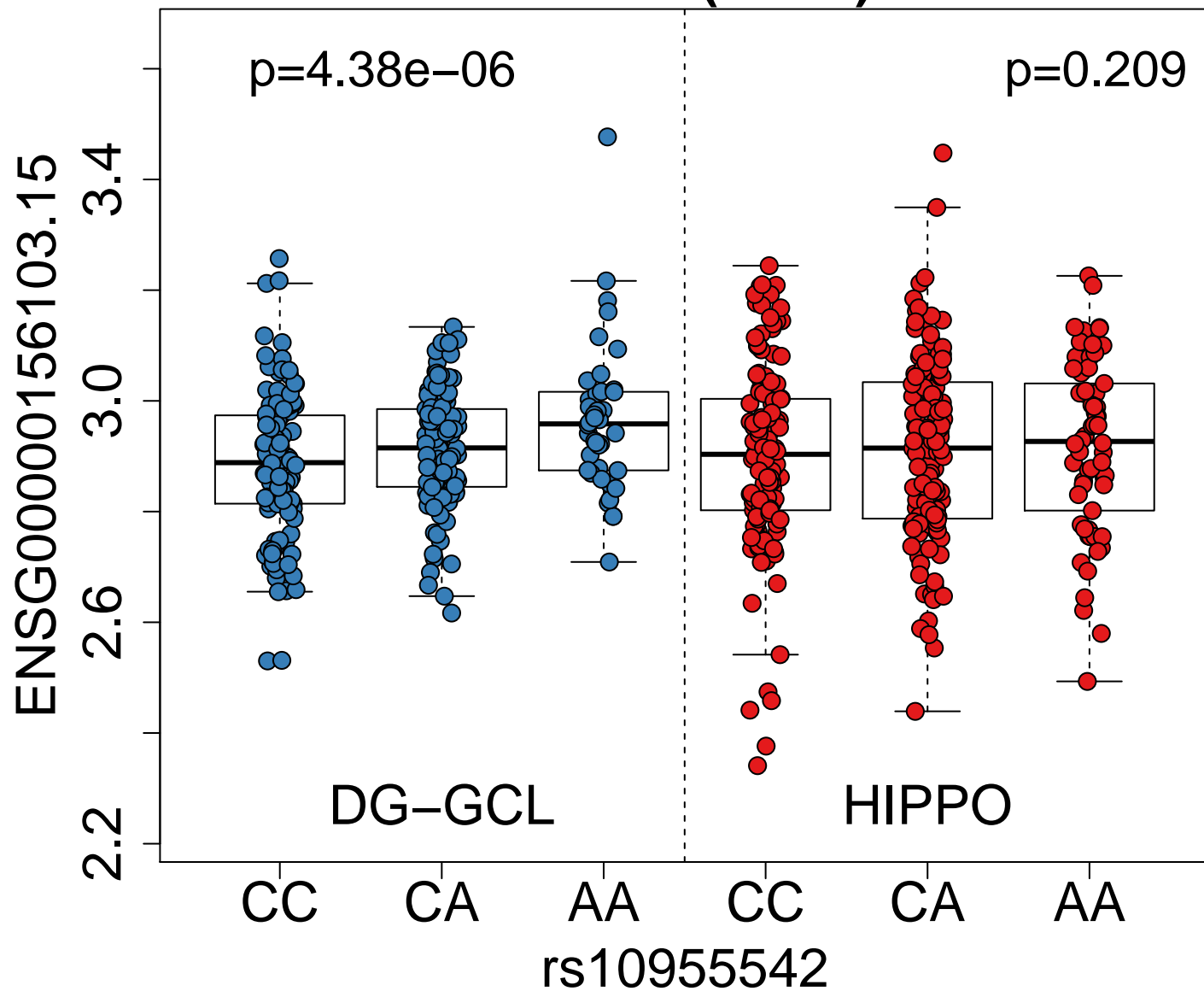
Index: rs7010876 ($R^2=0.843$)

MMP16 (Exon)



Index: rs7010876 ($R^2=0.843$)

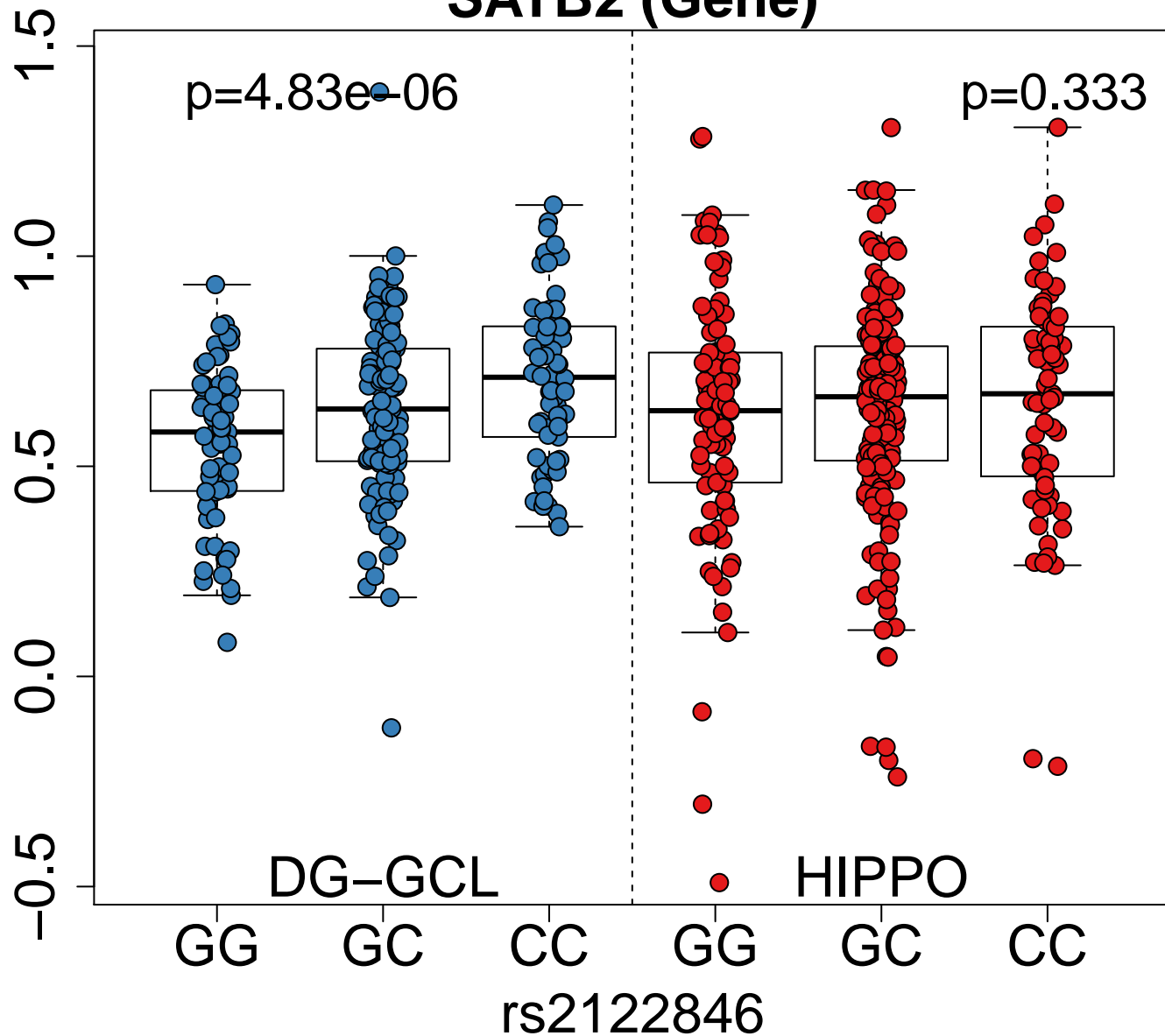
MMP16 (Gene)



Index: rs1451488 ($R^2=0.868$)

SATB2 (Gene)

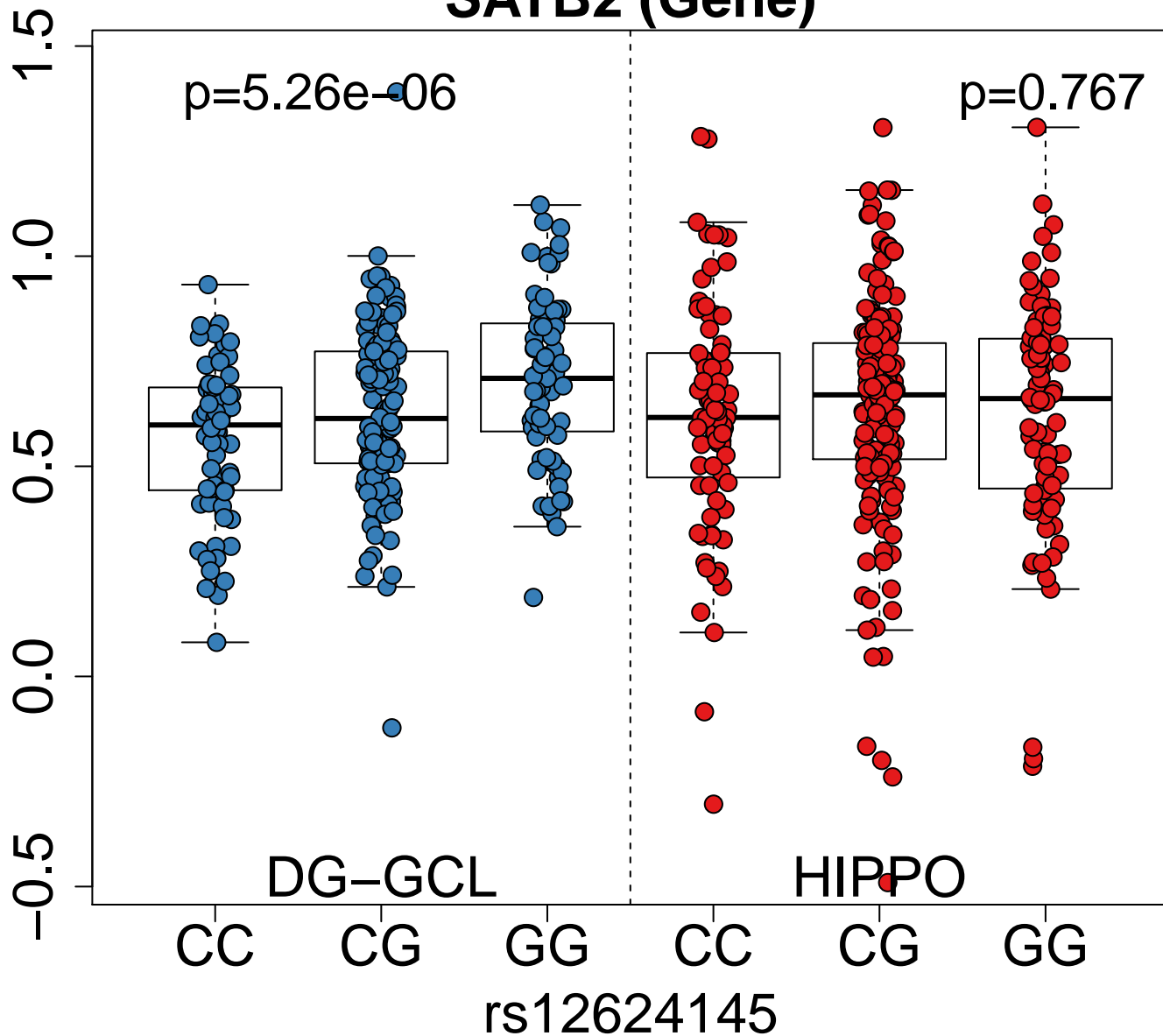
ENSG00000119042.16



Index: rs1451488 ($R^2=0.876$)

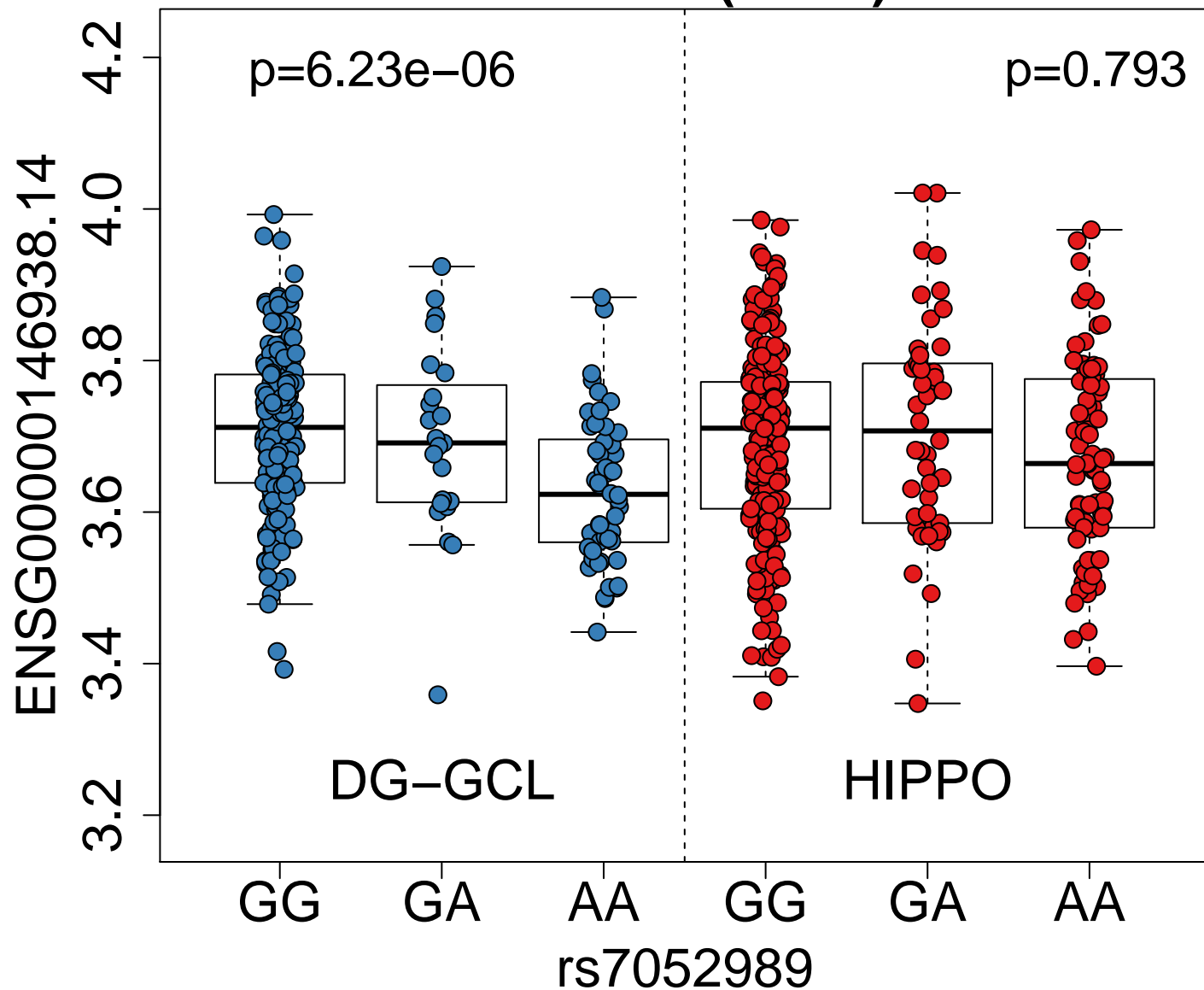
SATB2 (Gene)

ENSG00000119042.16



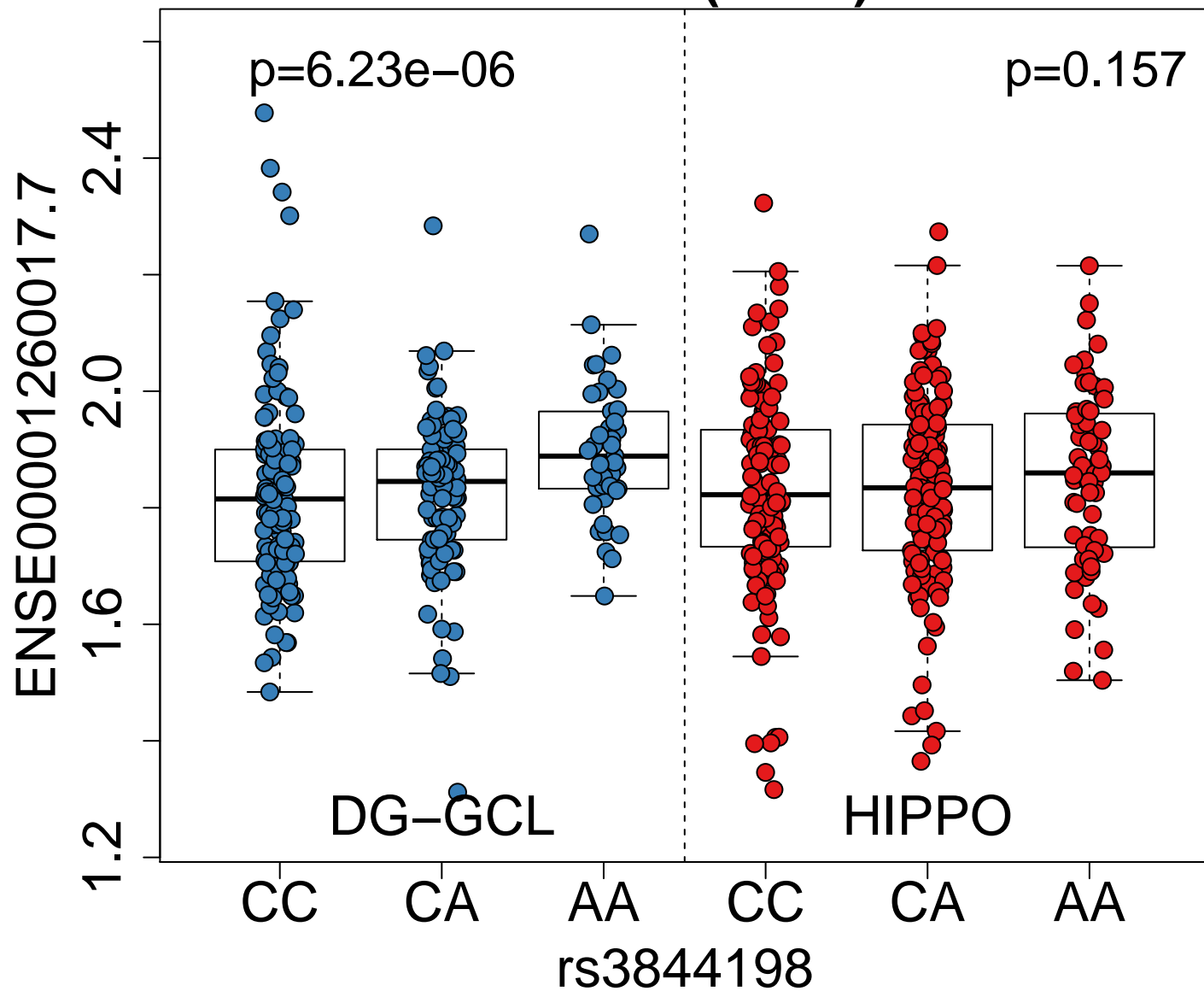
Index: rs12009217 ($R^2=0.974$)

NLGN4X (Gene)



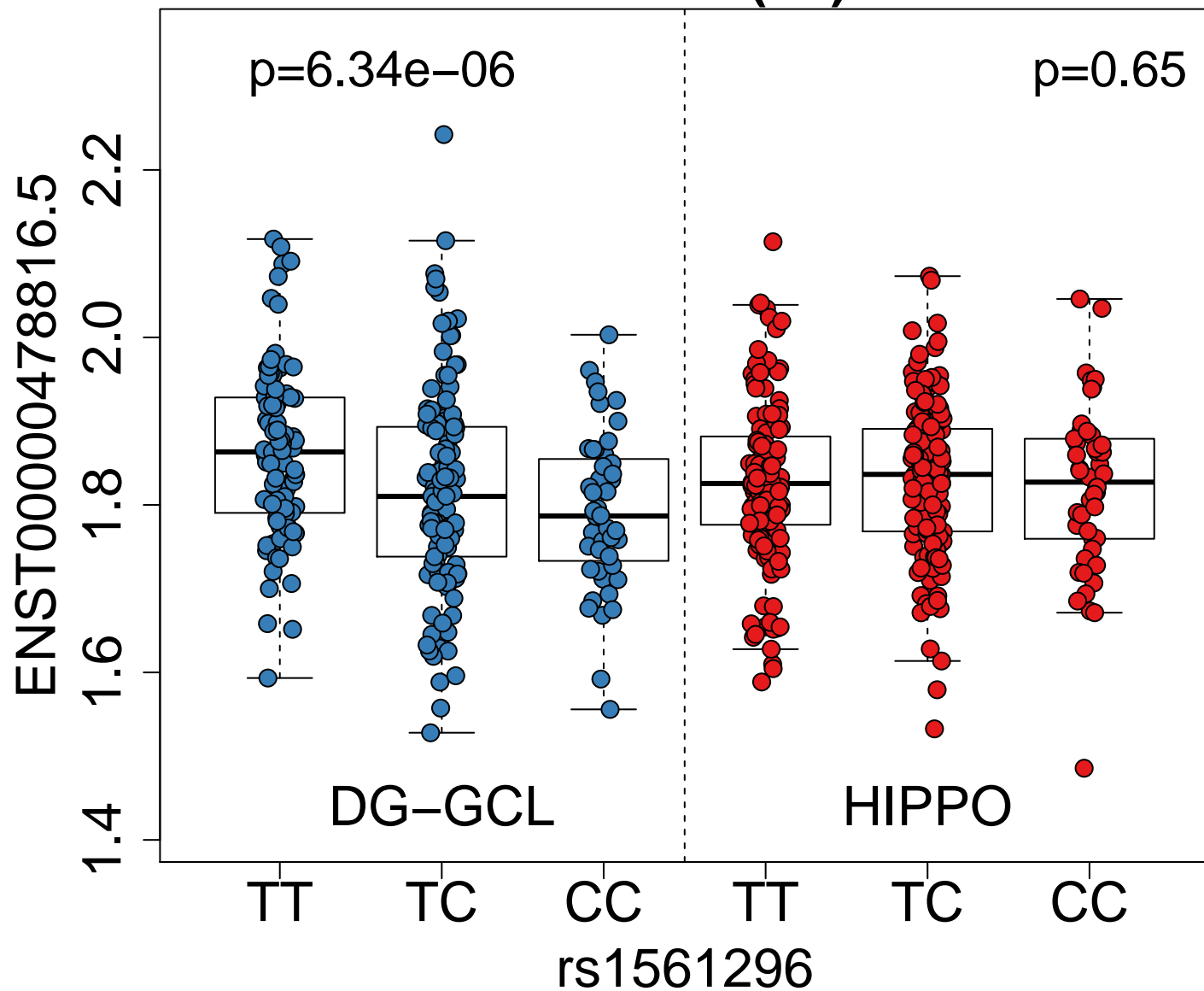
Index: rs7010876 ($R^2=0.848$)

MMP16 (Exon)



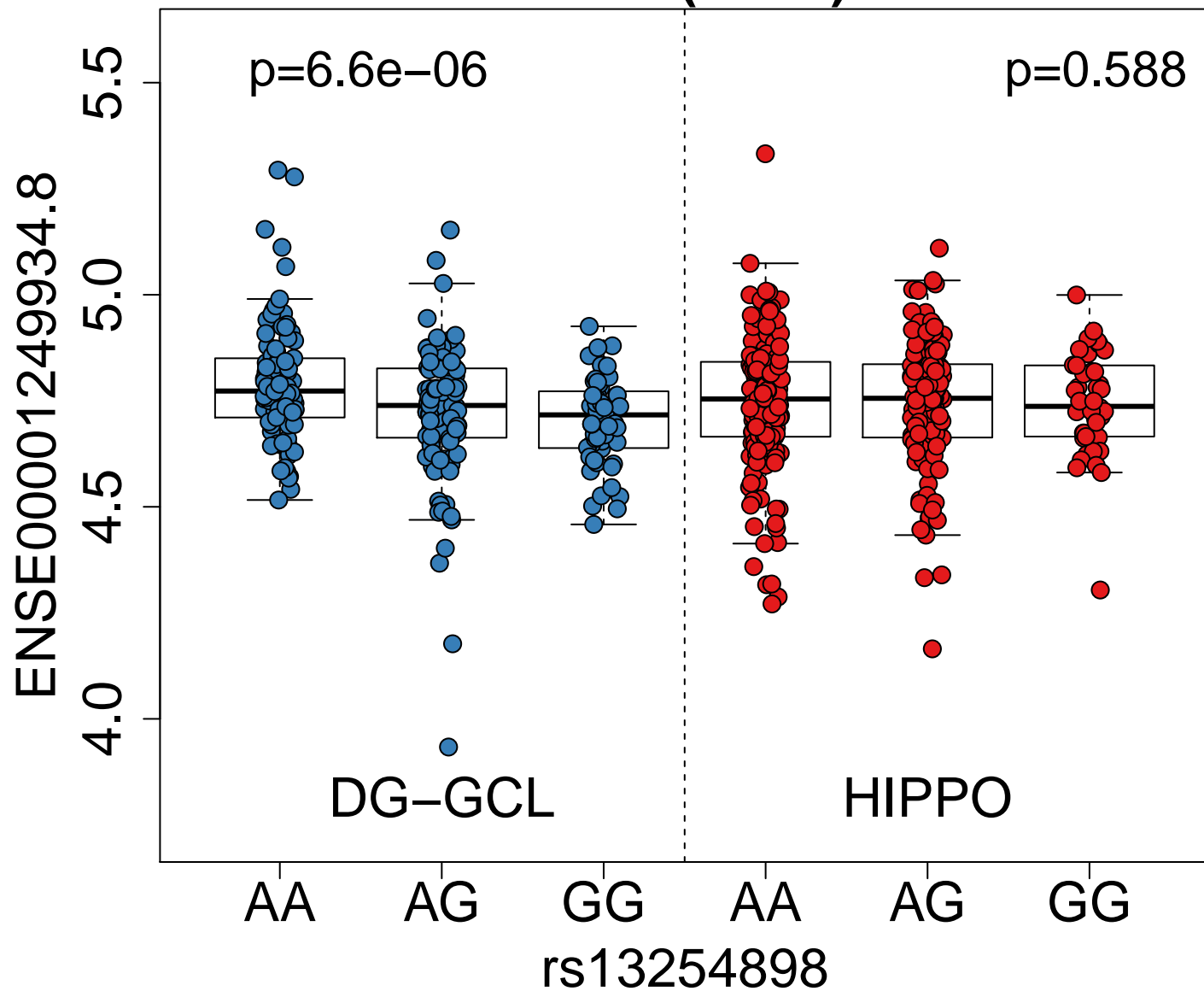
Index: rs1347692 ($R^2=0.98$)

KCTD18 (Tx)



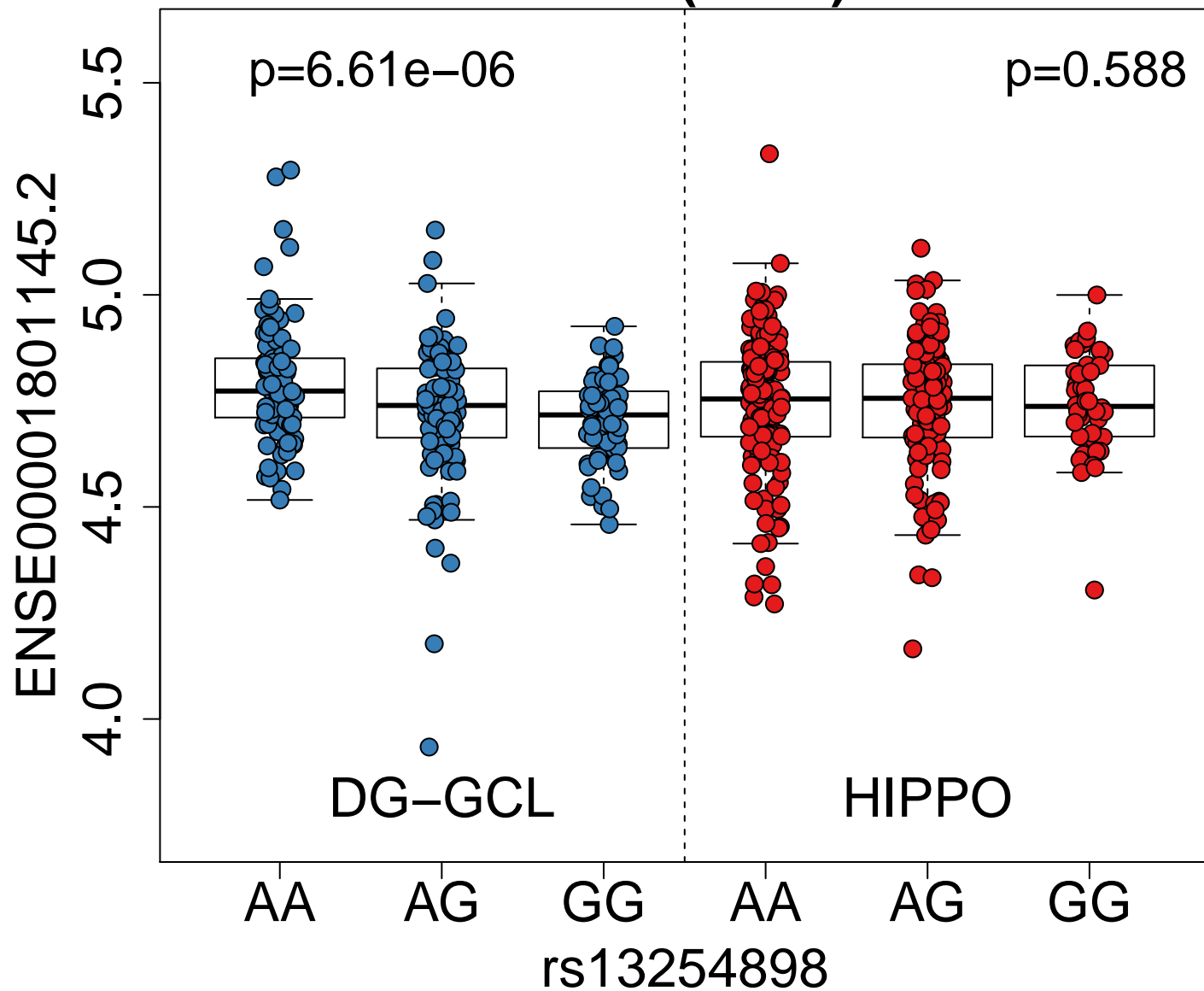
Index: rs2410572 ($R^2=0.864$)

PSD3 (Exon)



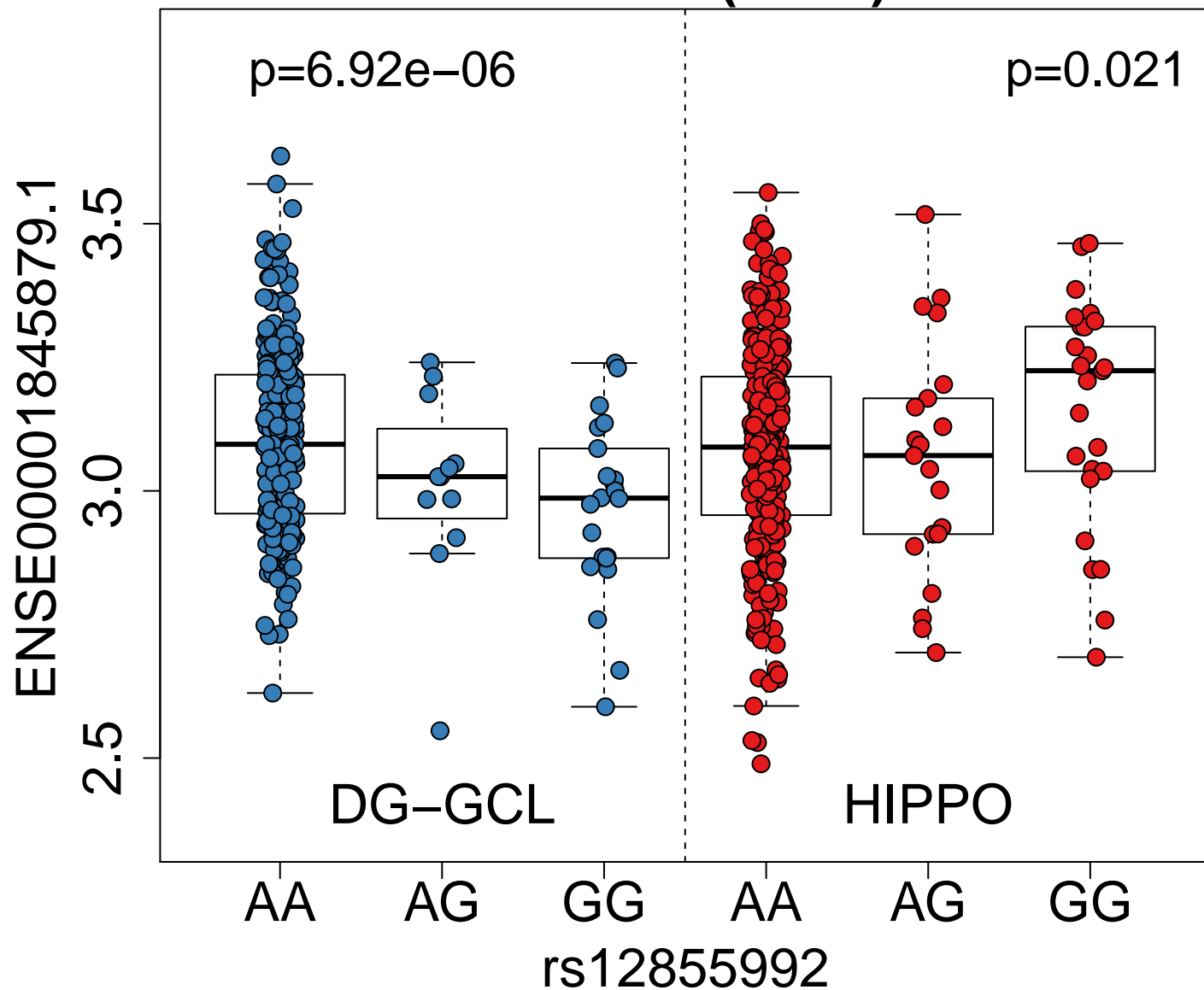
Index: rs2410572 ($R^2=0.864$)

PSD3 (Exon)



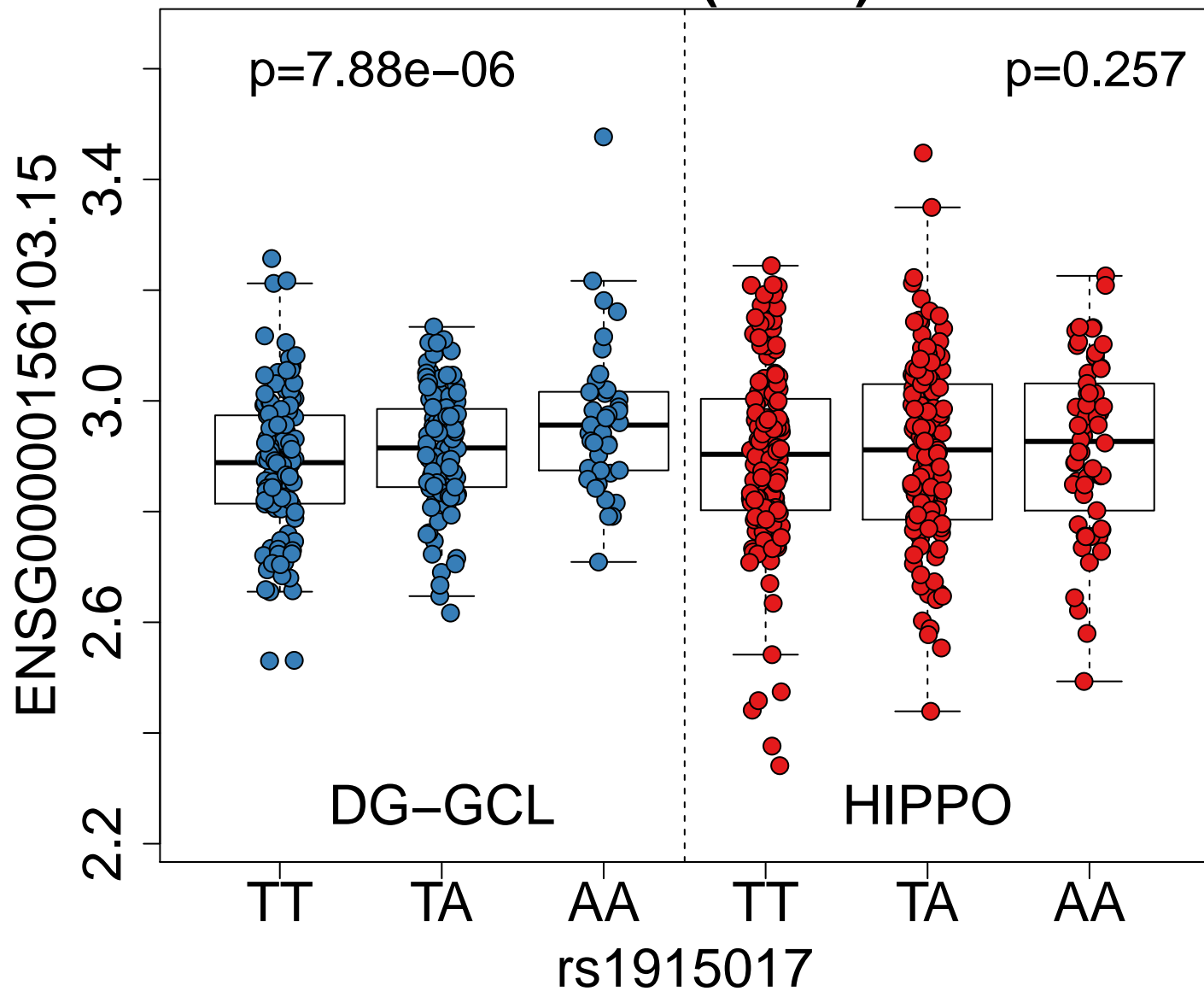
Index: rs12009217 ($R^2=0.958$)

NLGN4X (Exon)



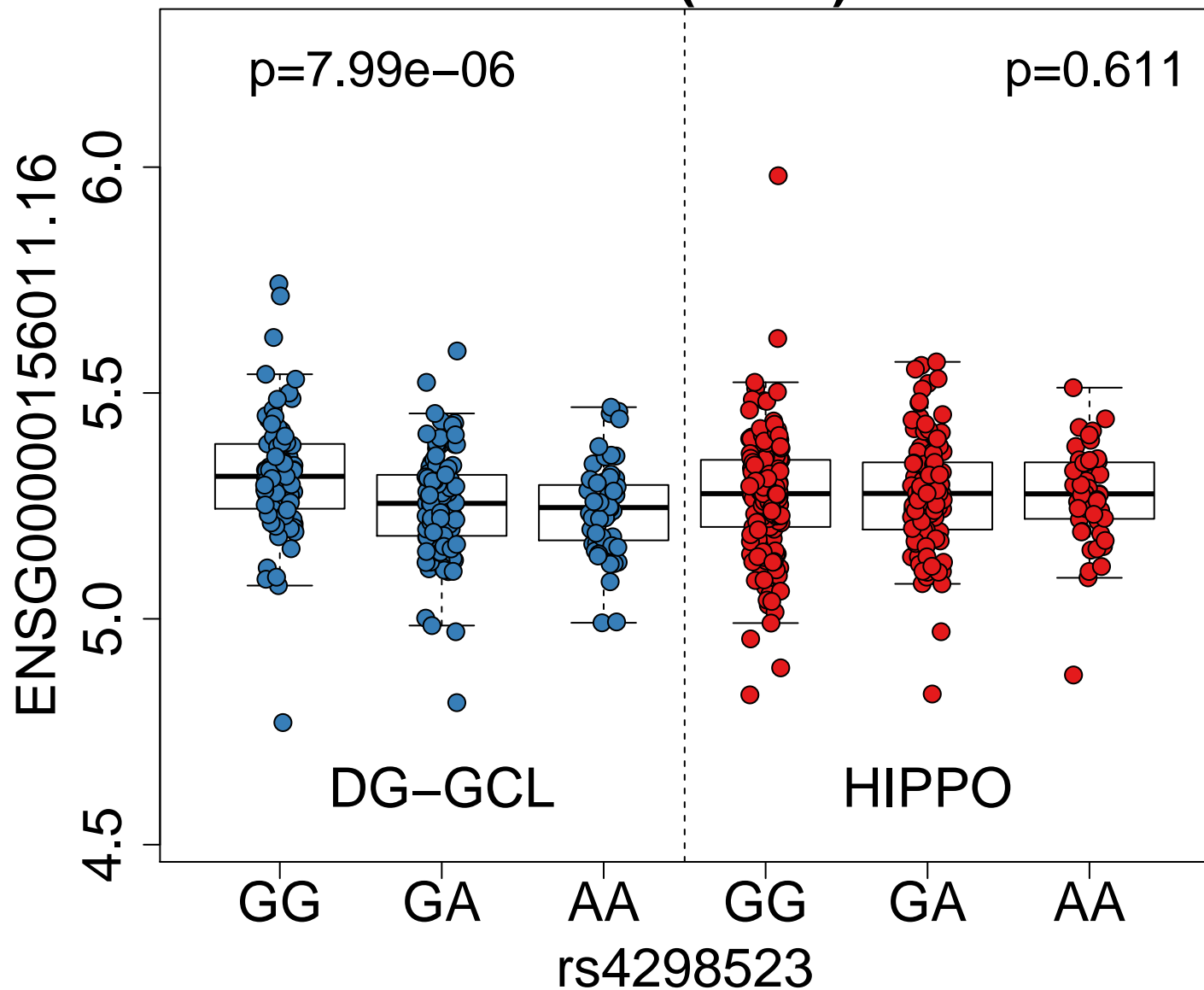
Index: rs7010876 ($R^2=0.843$)

MMP16 (Gene)

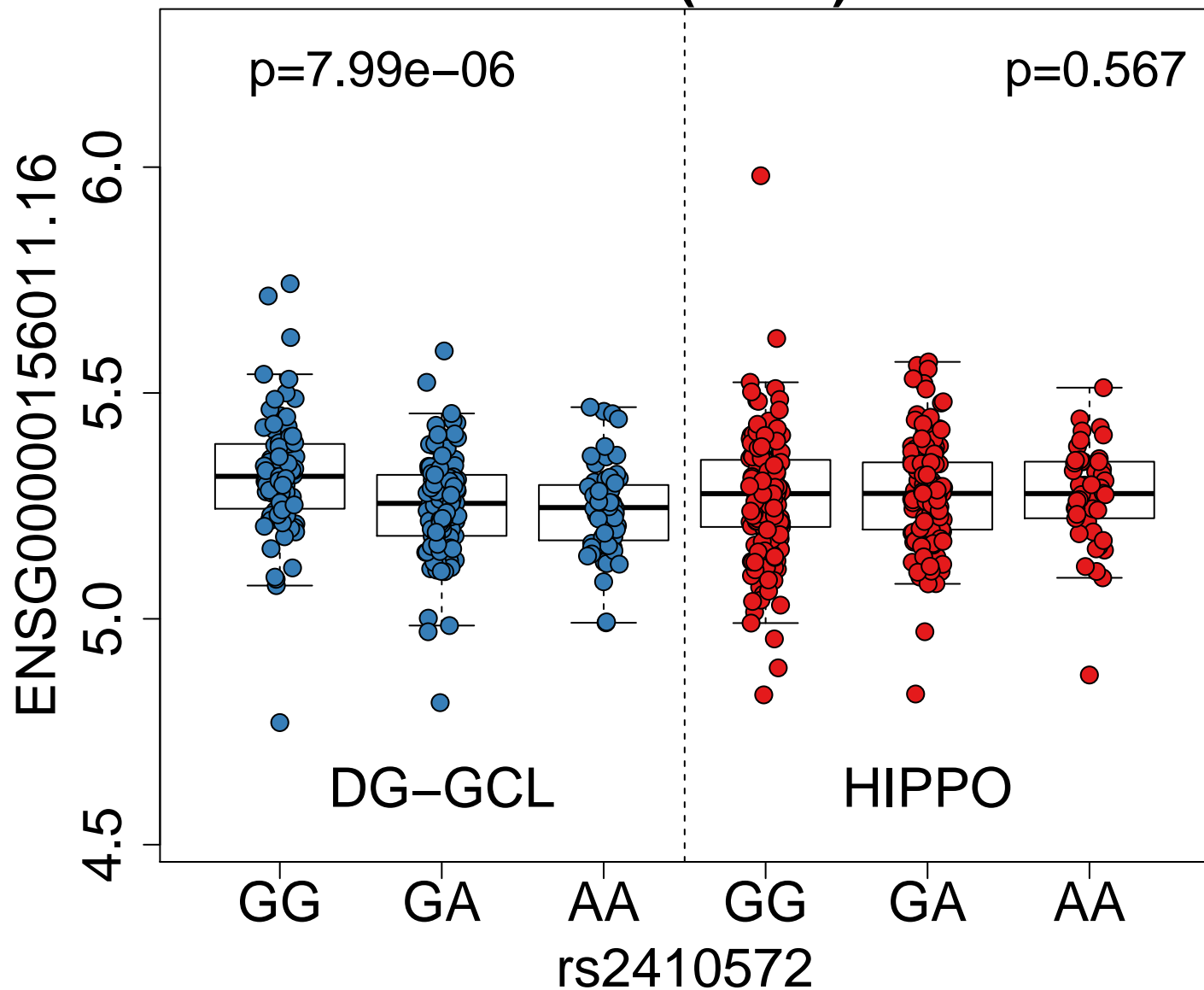


Index: rs2410572 ($R^2=0.993$)

PSD3 (Gene)



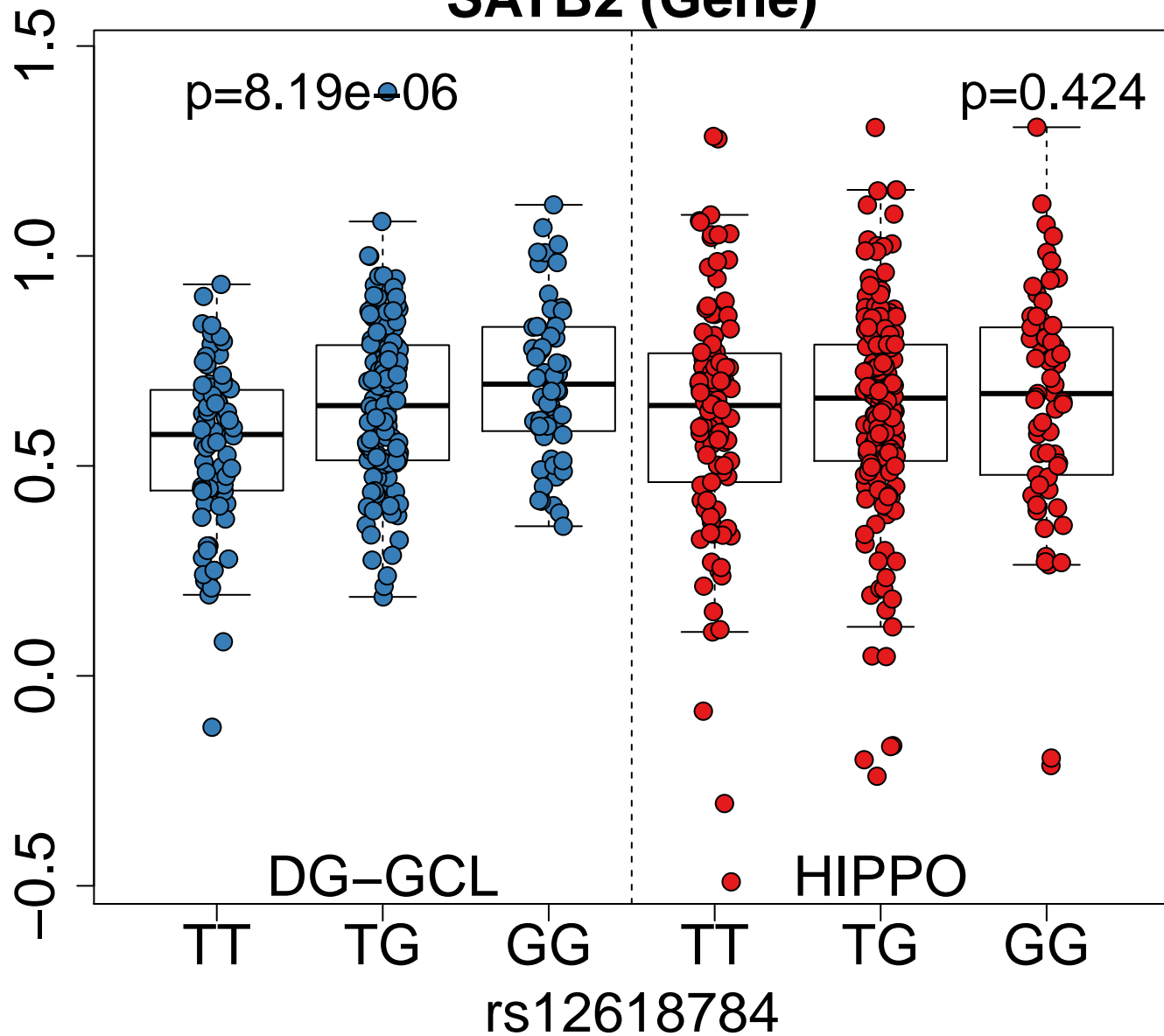
Index: rs2410572 ($R^2=1$)
PSD3 (Gene)



Index: rs1451488 ($R^2=0.835$)

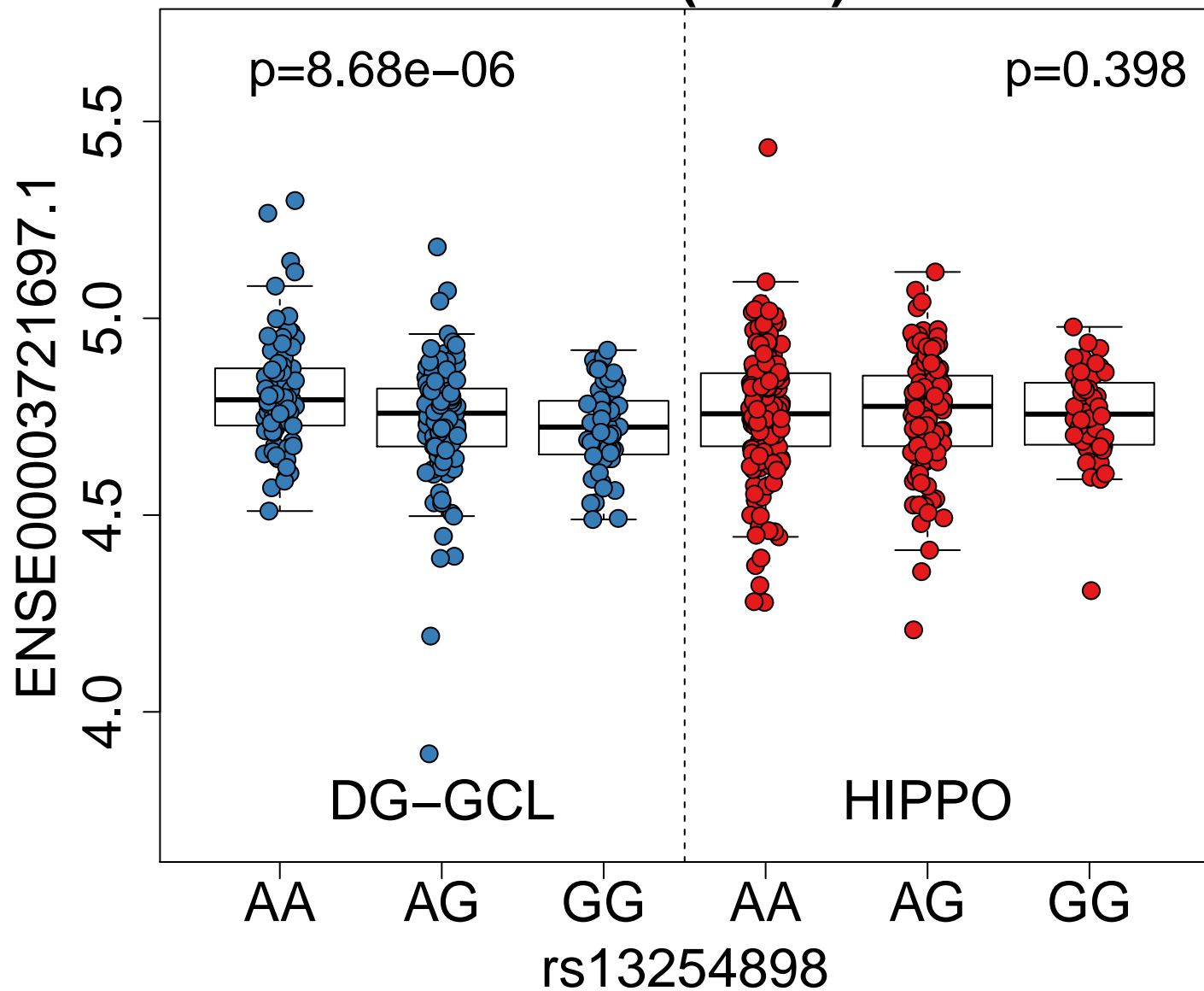
SATB2 (Gene)

ENSG00000119042.16



Index: rs2410572 ($R^2=0.864$)

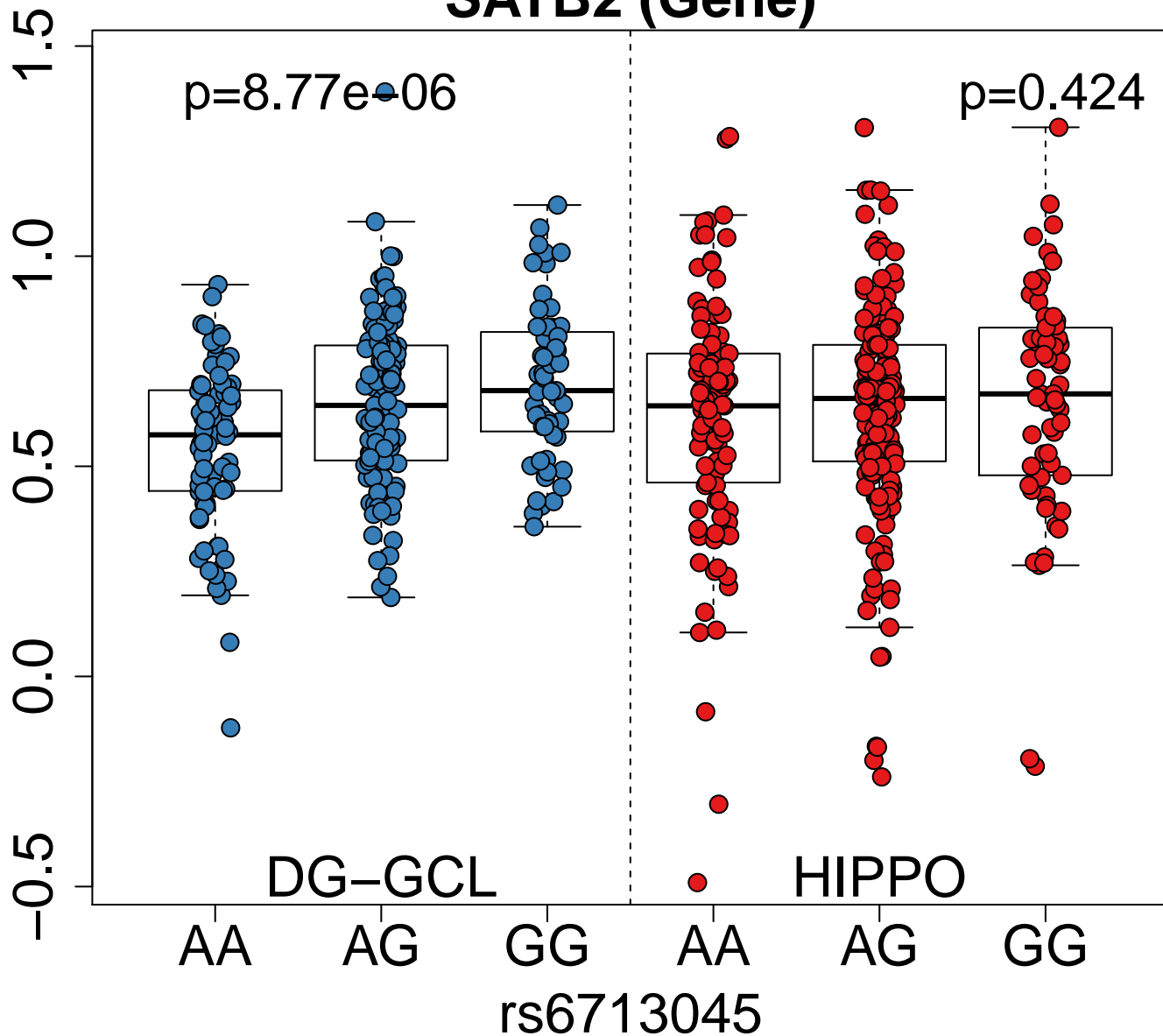
PSD3 (Exon)



Index: rs1451488 ($R^2=0.835$)

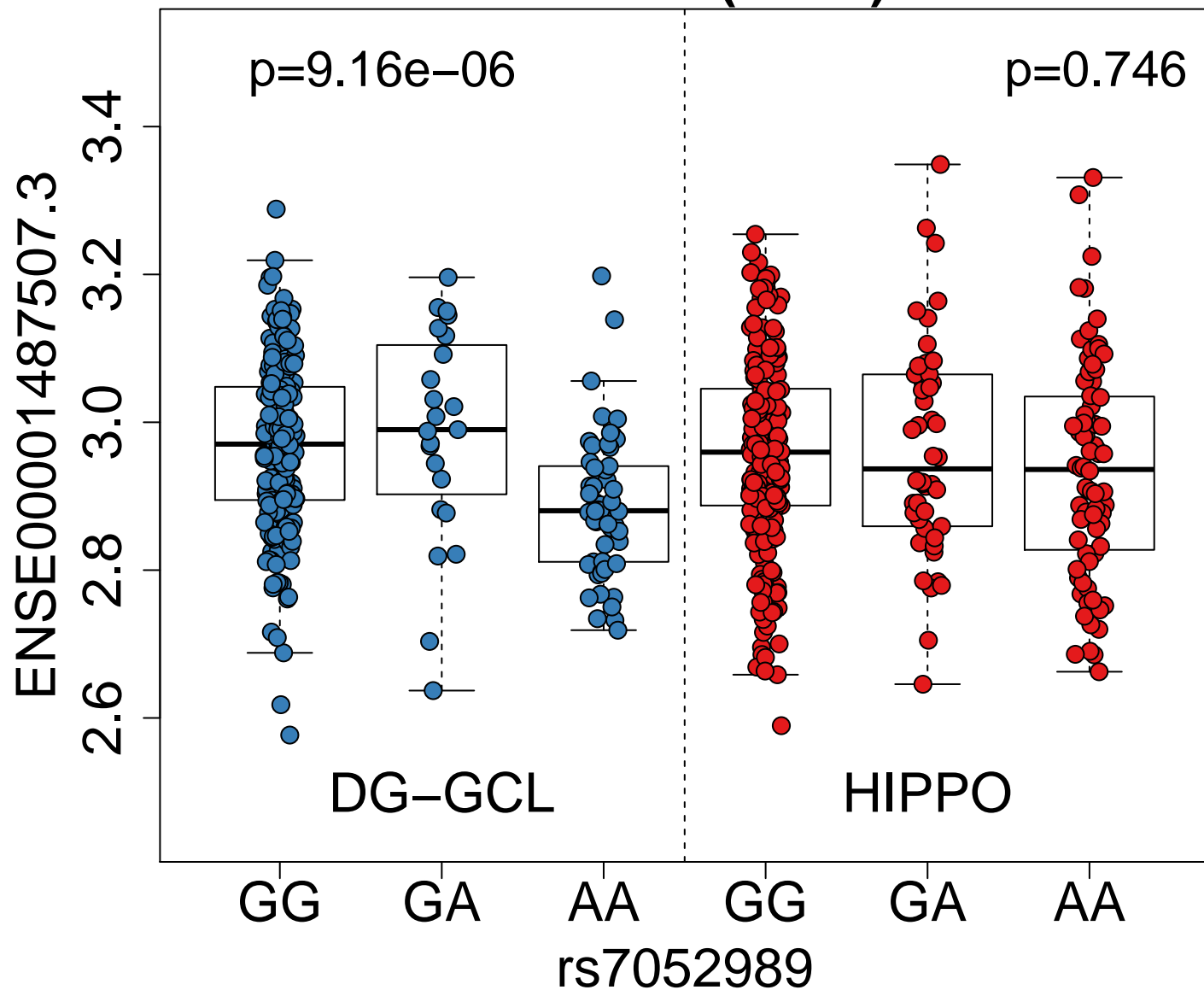
SATB2 (Gene)

ENSG00000119042.16



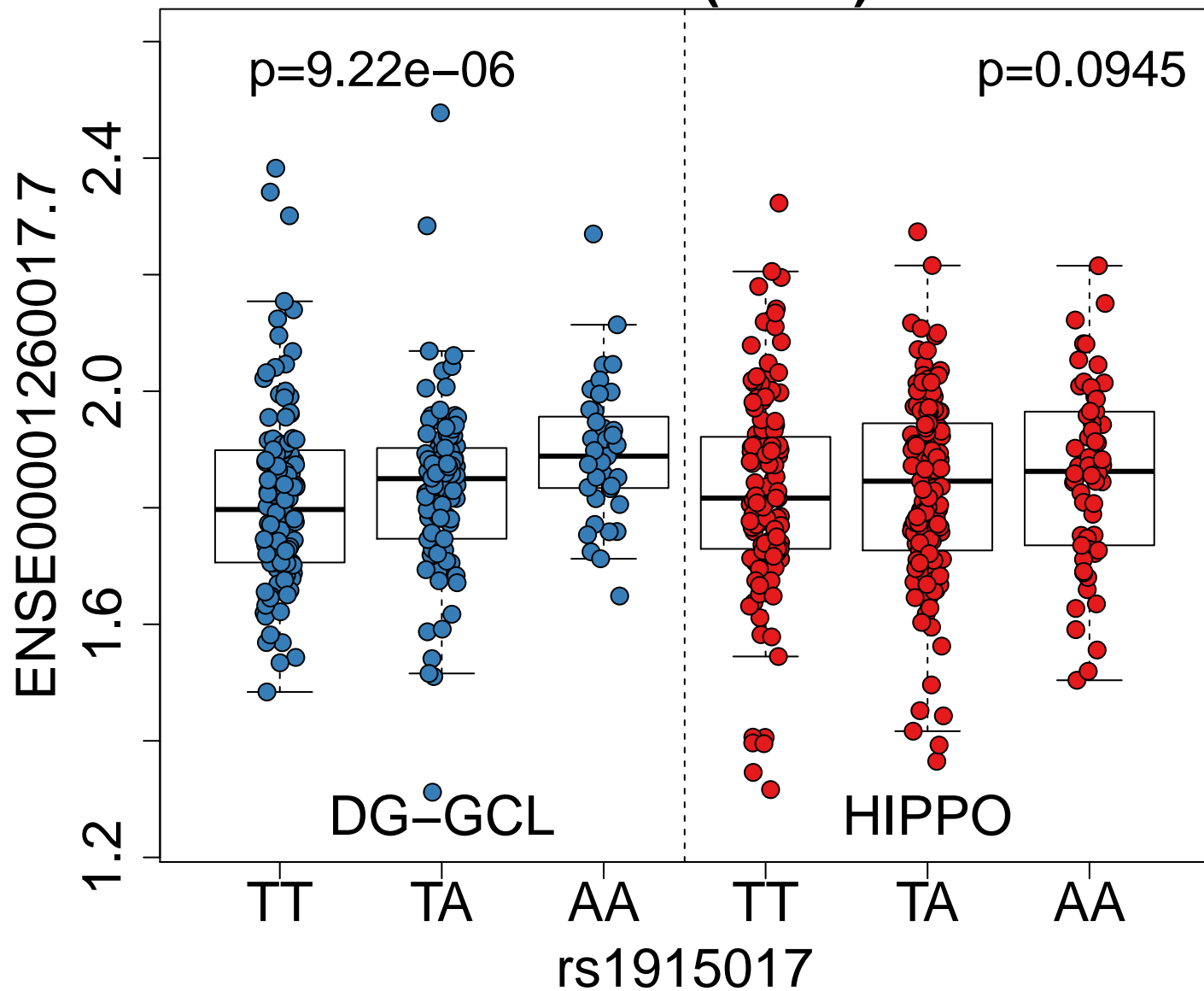
Index: rs12009217 ($R^2=0.974$)

NLGN4X (Exon)



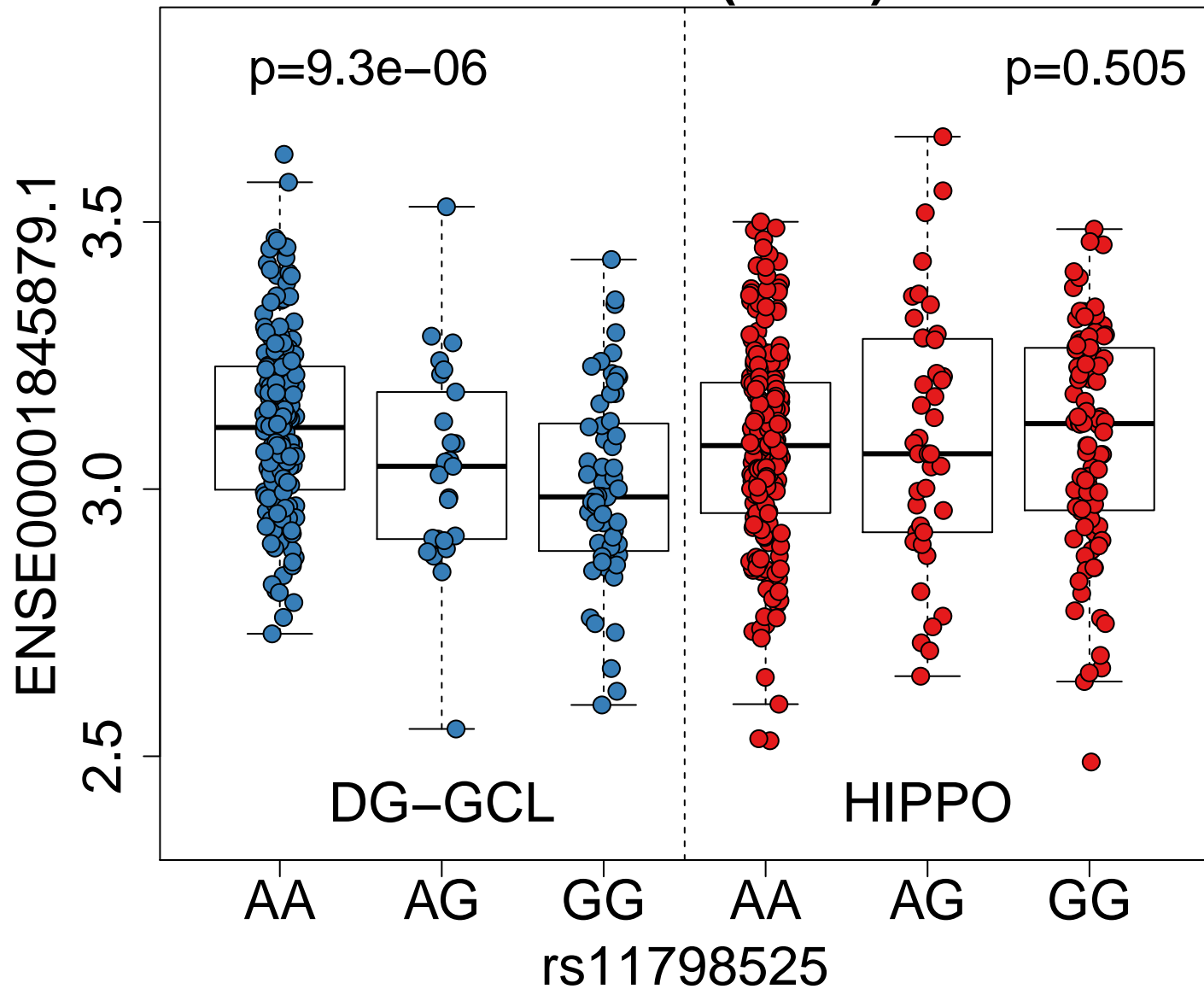
Index: rs7010876 ($R^2=0.843$)

MMP16 (Exon)



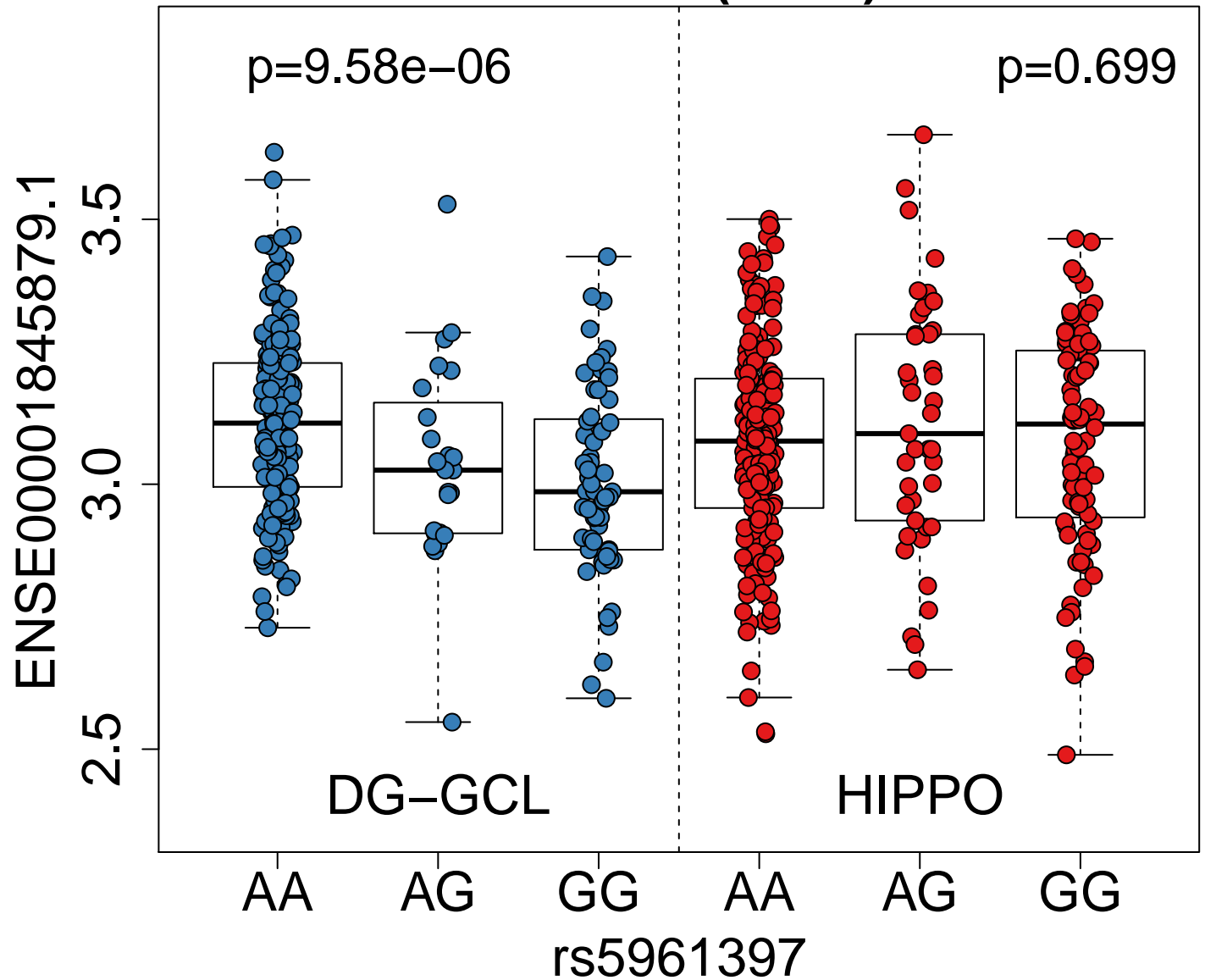
Index: rs12009217 ($R^2=0.956$)

NLGN4X (Exon)



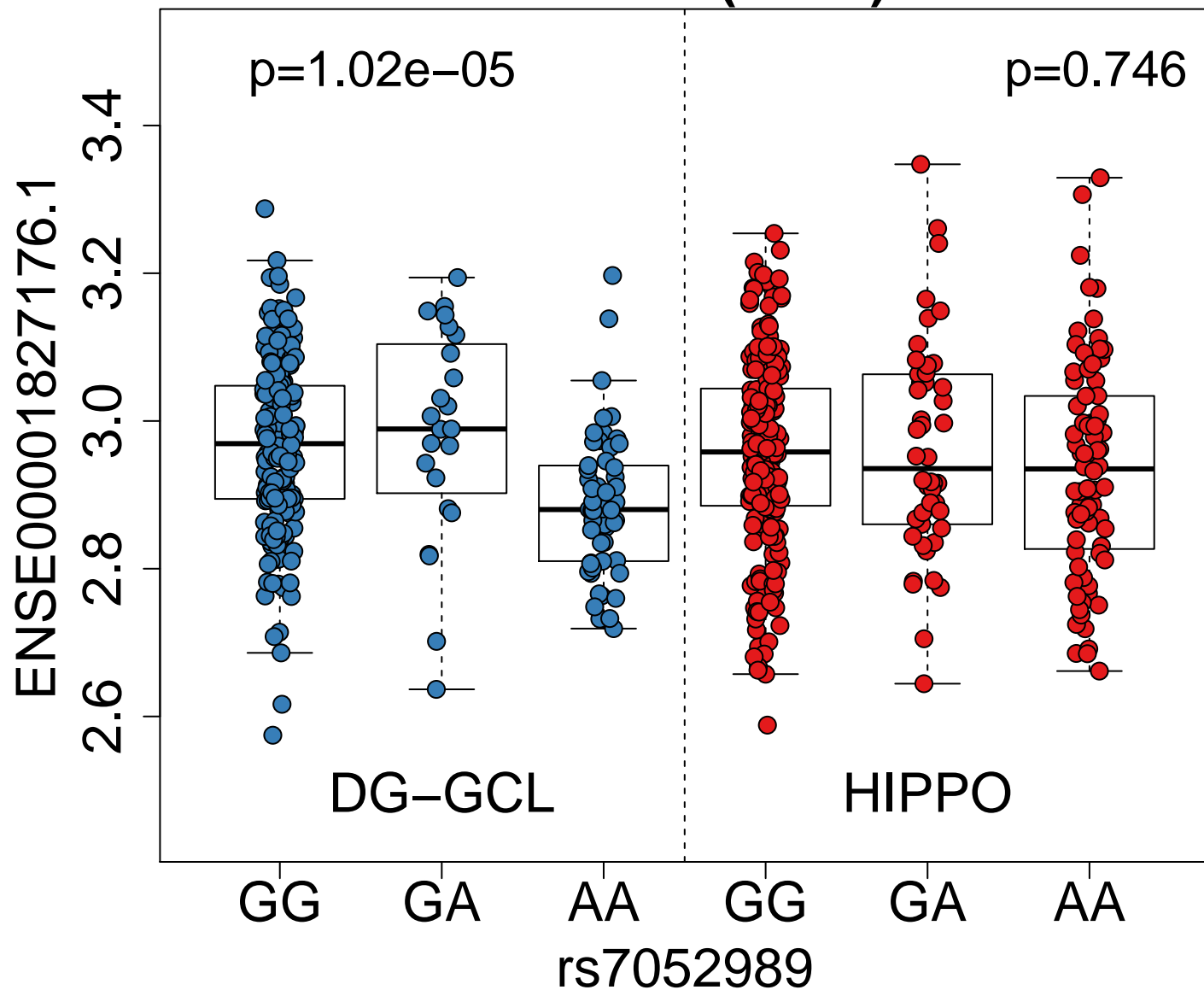
Index: rs12009217 ($R^2=0.968$)

NLGN4X (Exon)



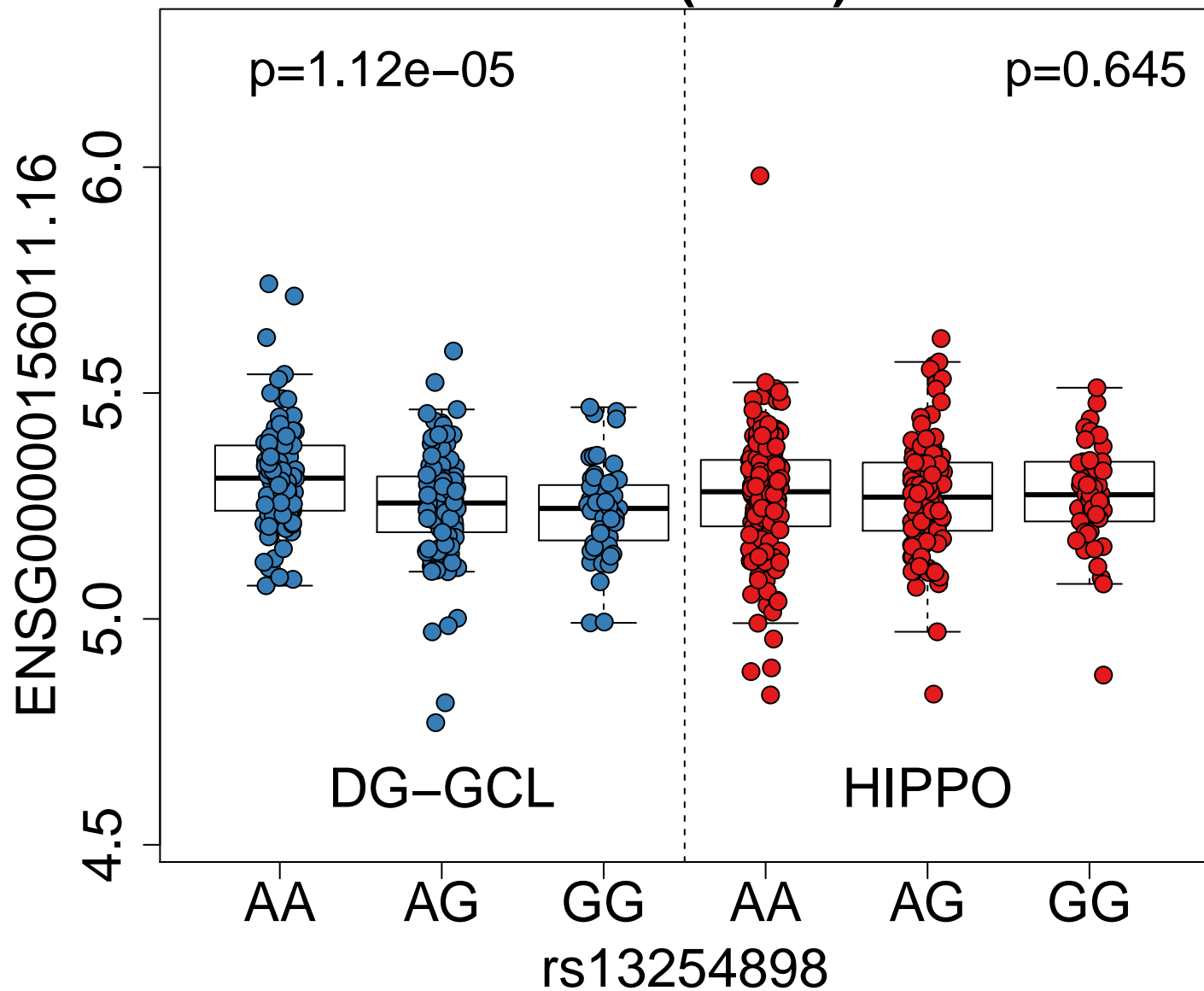
Index: rs12009217 ($R^2=0.974$)

NLGN4X (Exon)

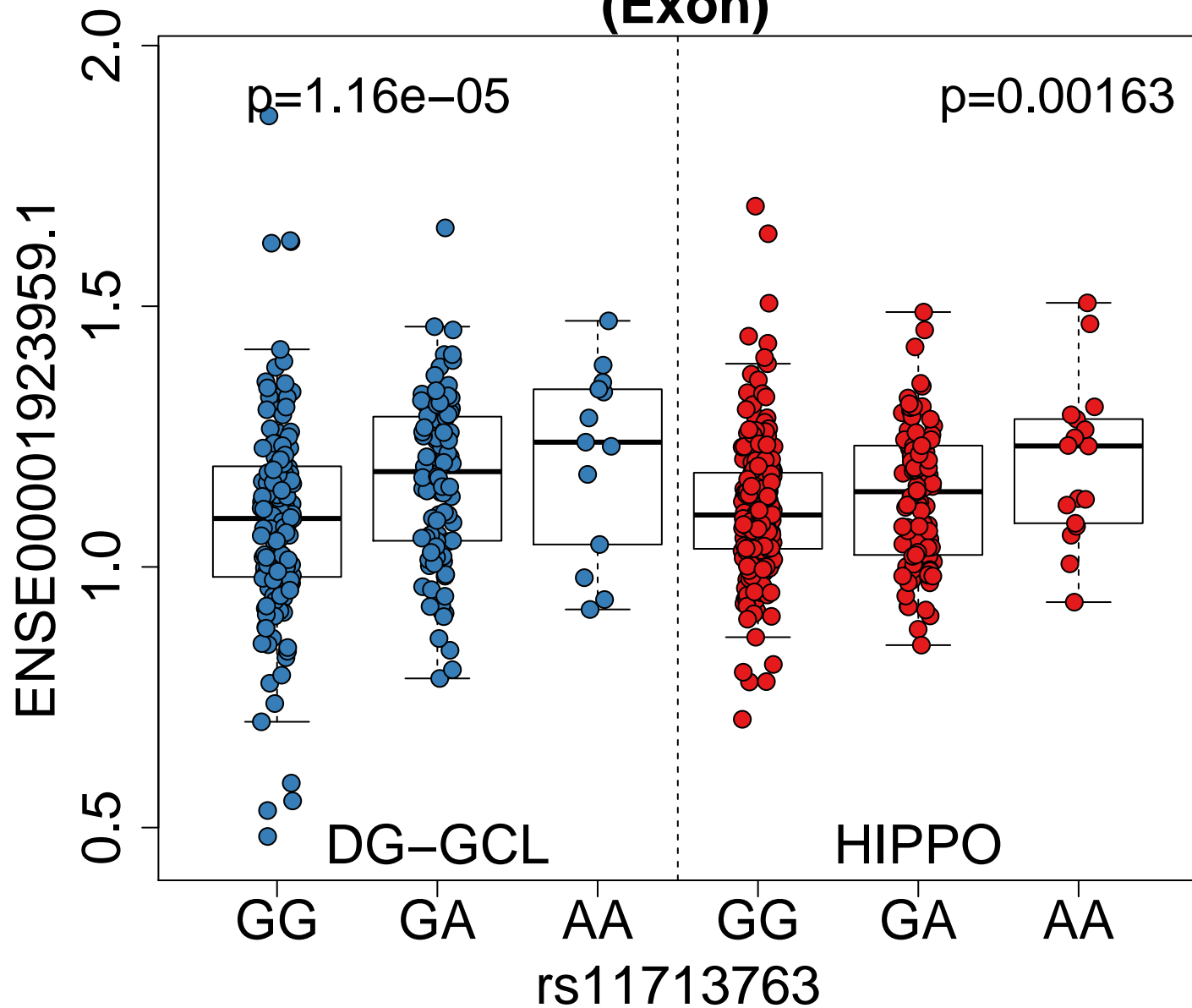


Index: rs2410572 ($R^2=0.864$)

PSD3 (Gene)

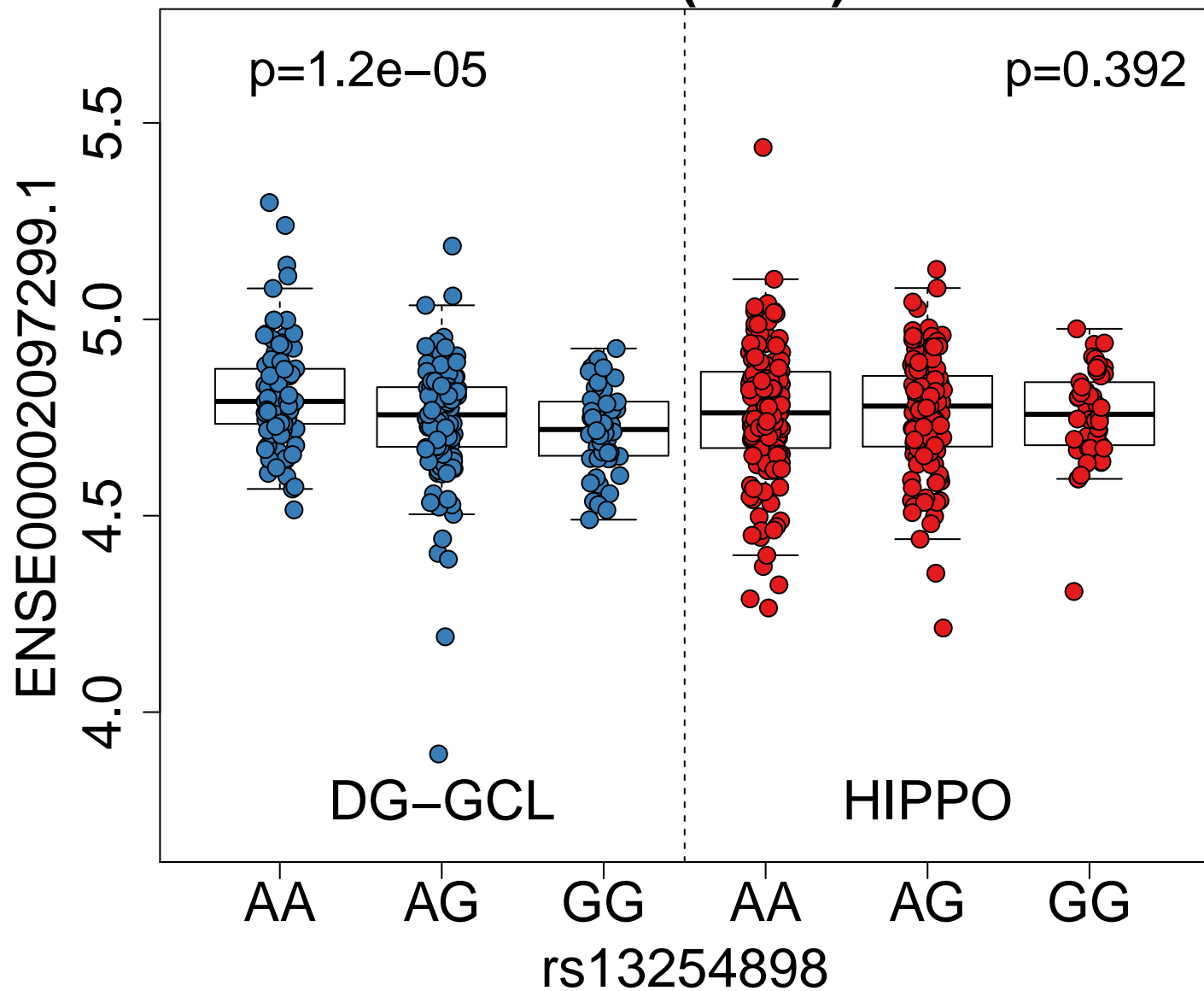


Index: rs1080500 ($R^2=0.941$)
(Exon)



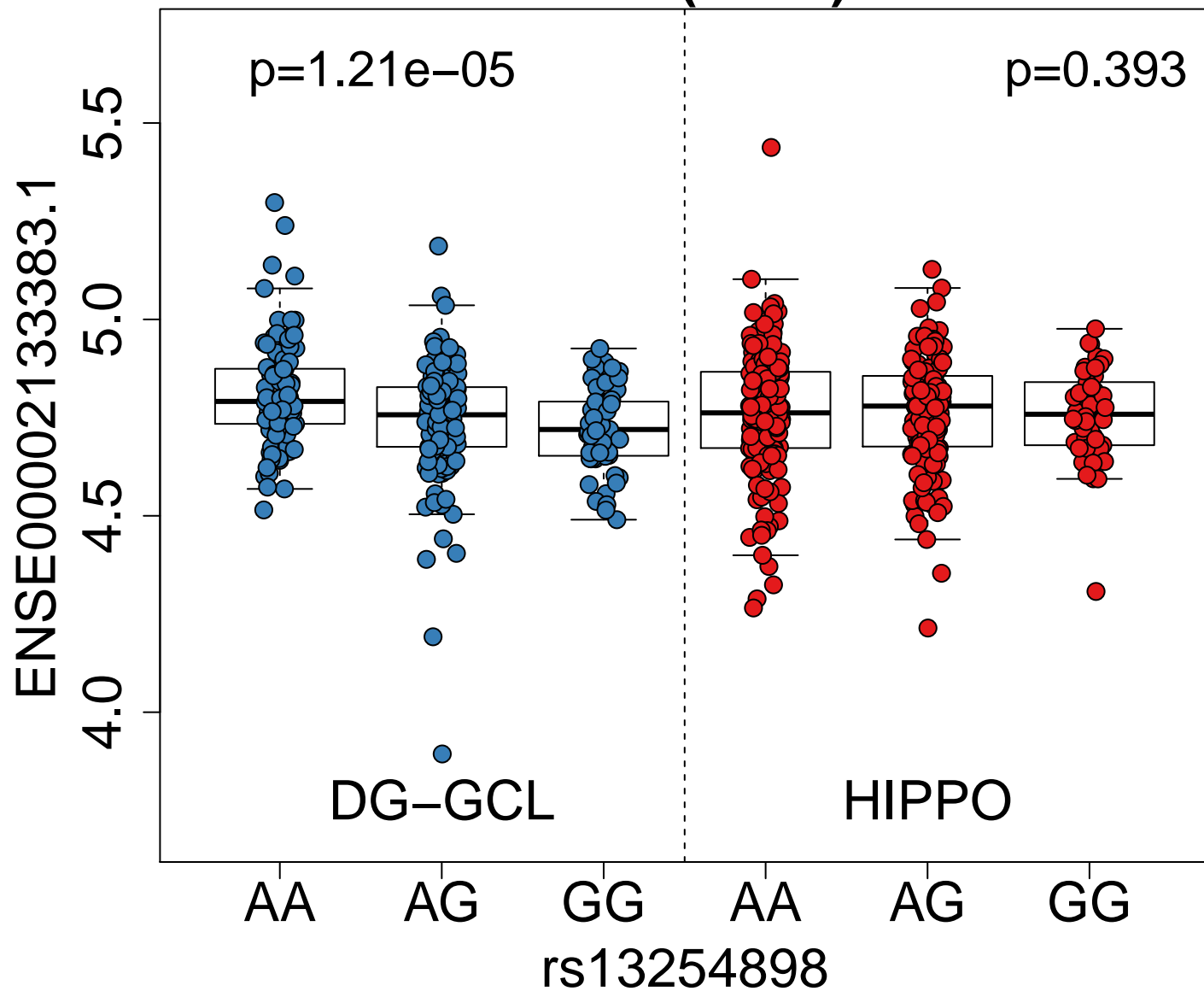
Index: rs2410572 ($R^2=0.864$)

PSD3 (Exon)

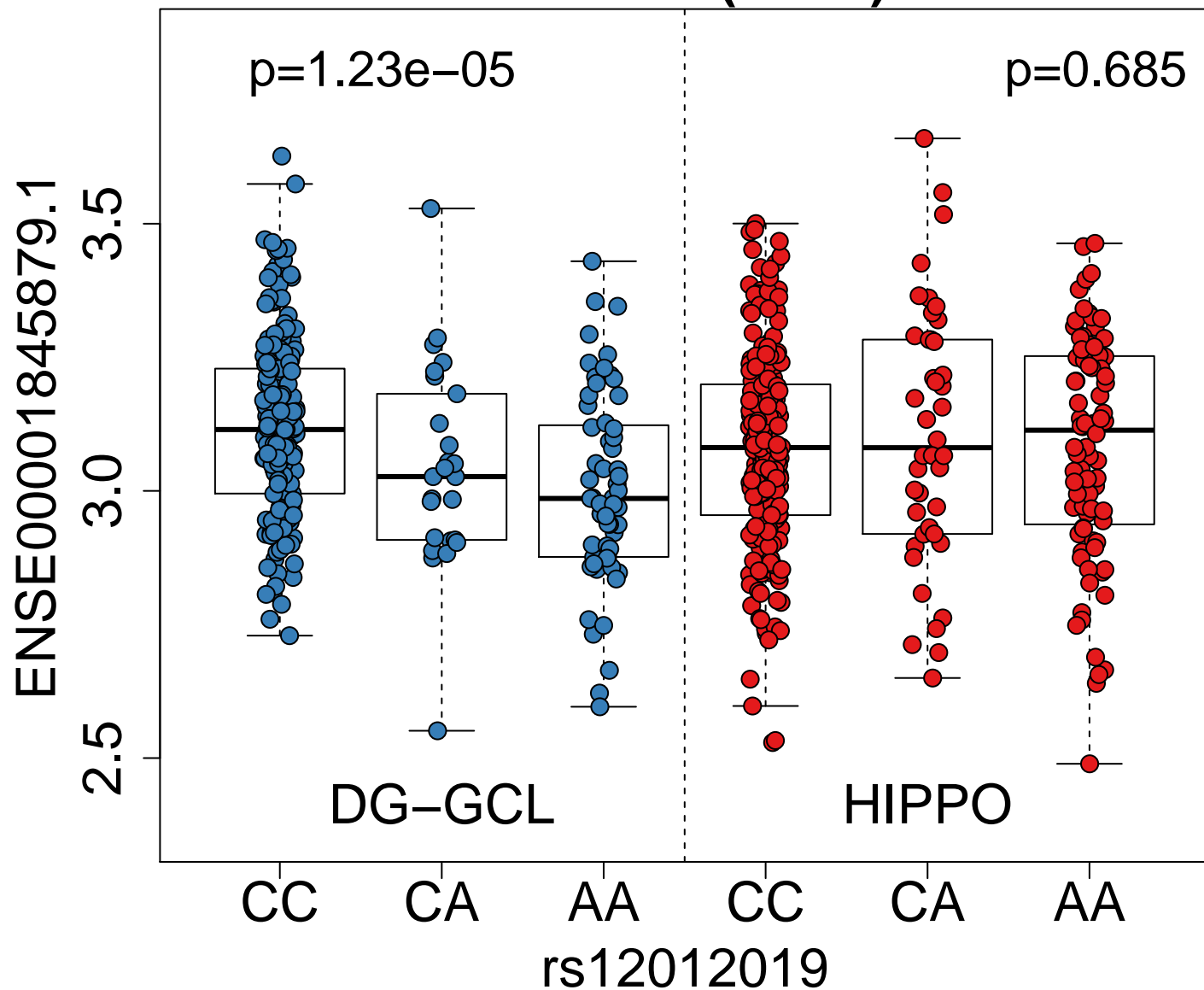


Index: rs2410572 ($R^2=0.864$)

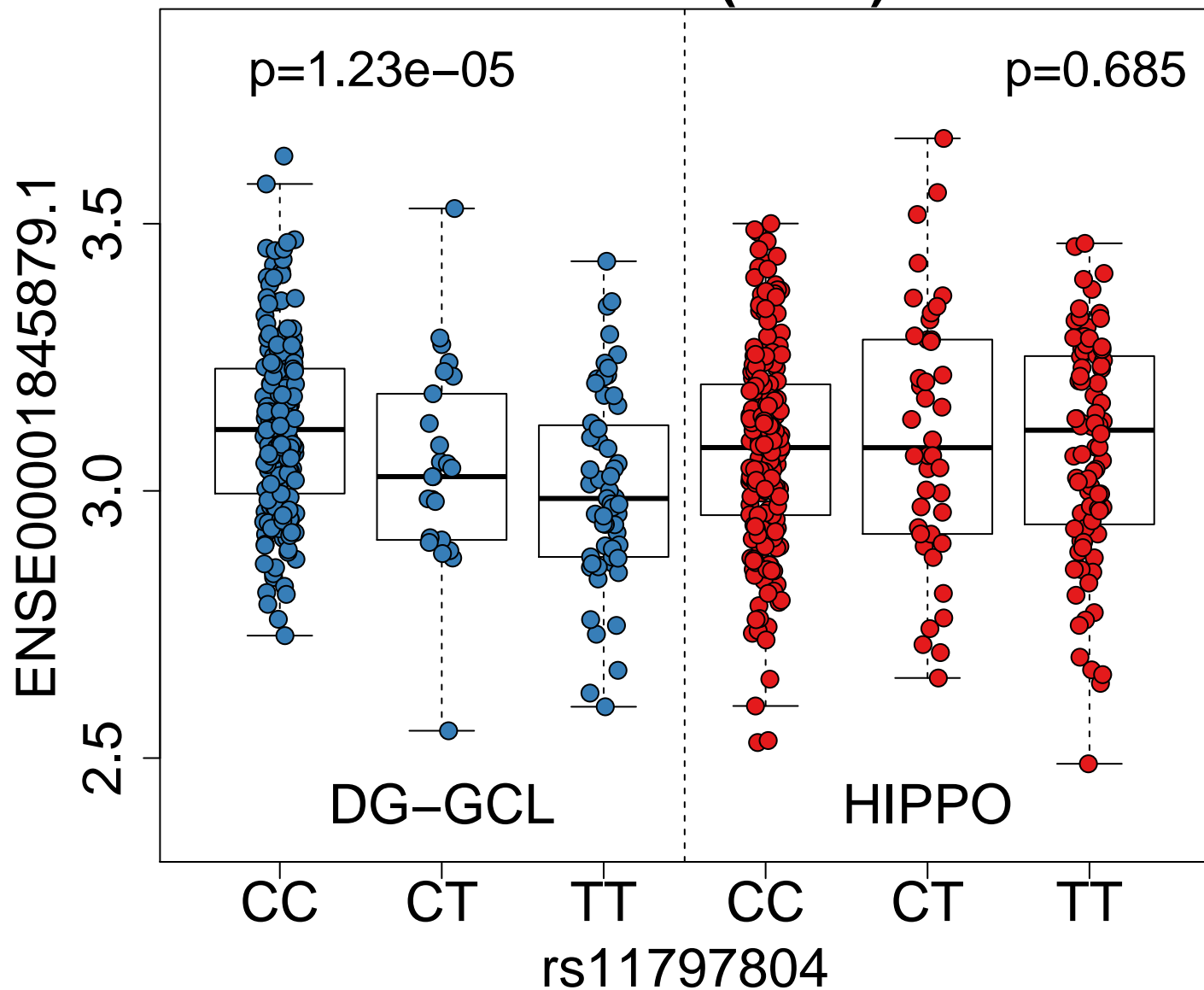
PSD3 (Exon)



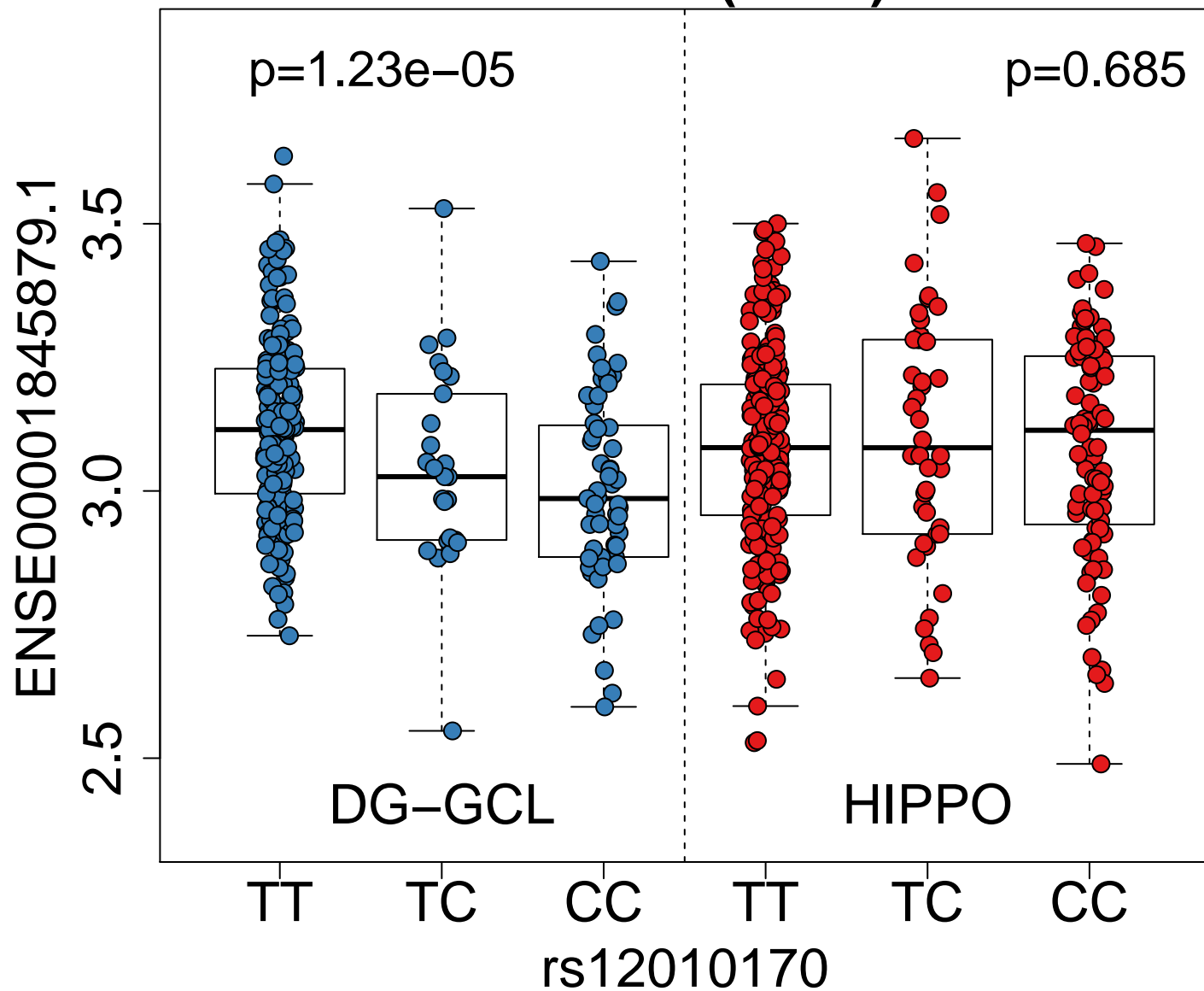
Index: rs12009217 ($R^2=1$)
NLGN4X (Exon)



Index: rs12009217 ($R^2=1$)
NLGN4X (Exon)

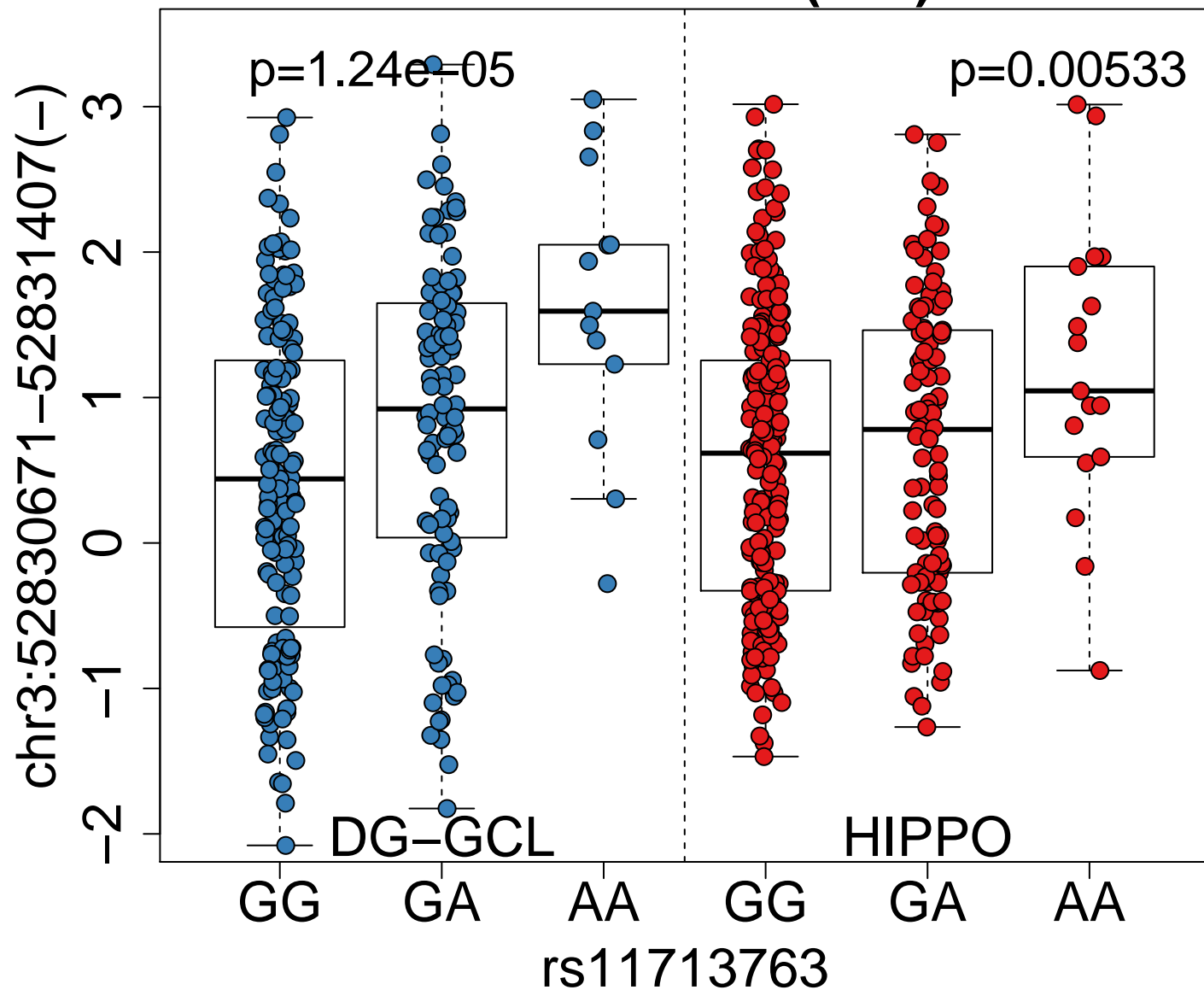


Index: rs12009217 ($R^2=1$)
NLGN4X (Exon)



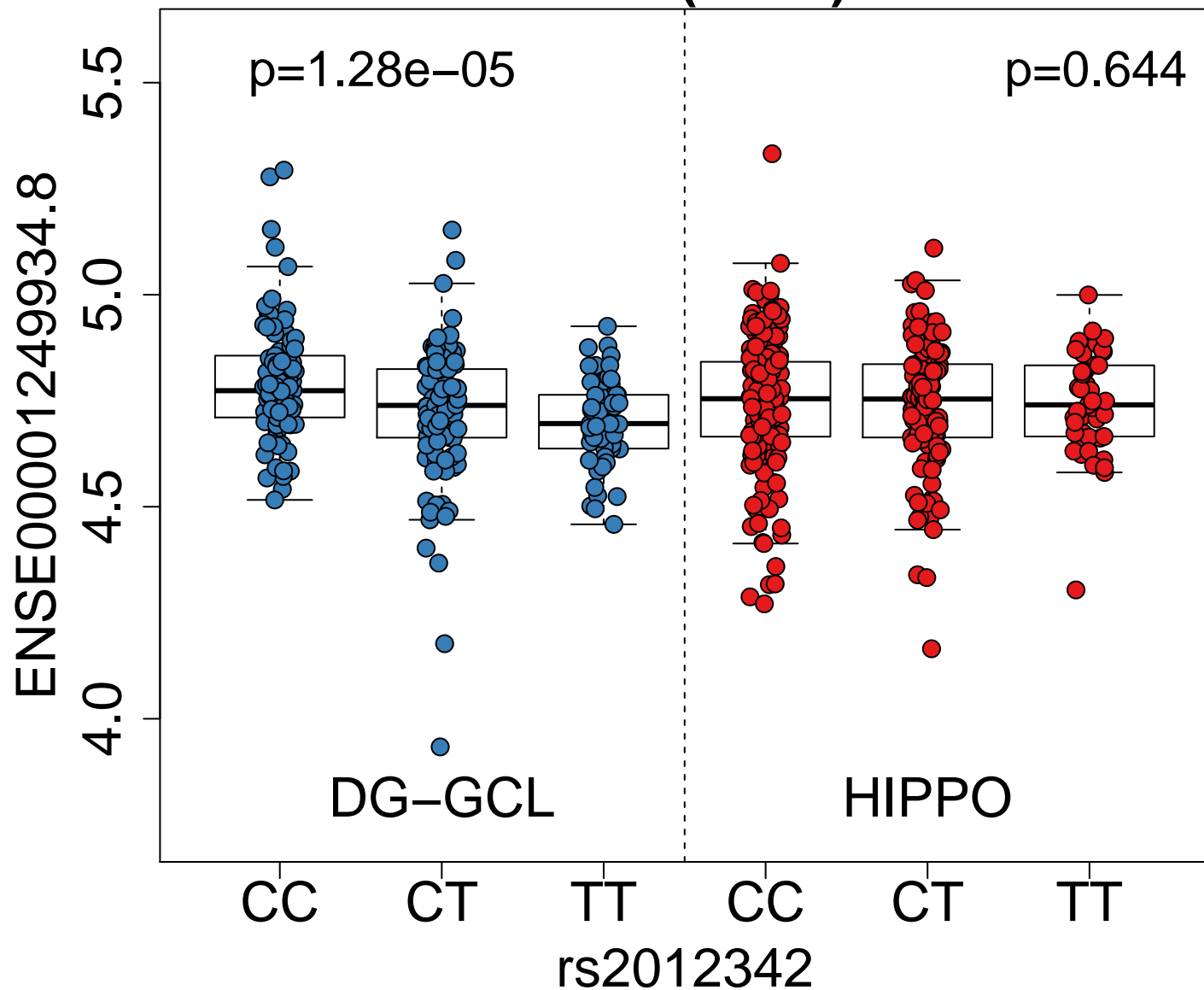
Index: rs1080500 ($R^2=0.941$)

RP5-966M1.6 (Jxn)



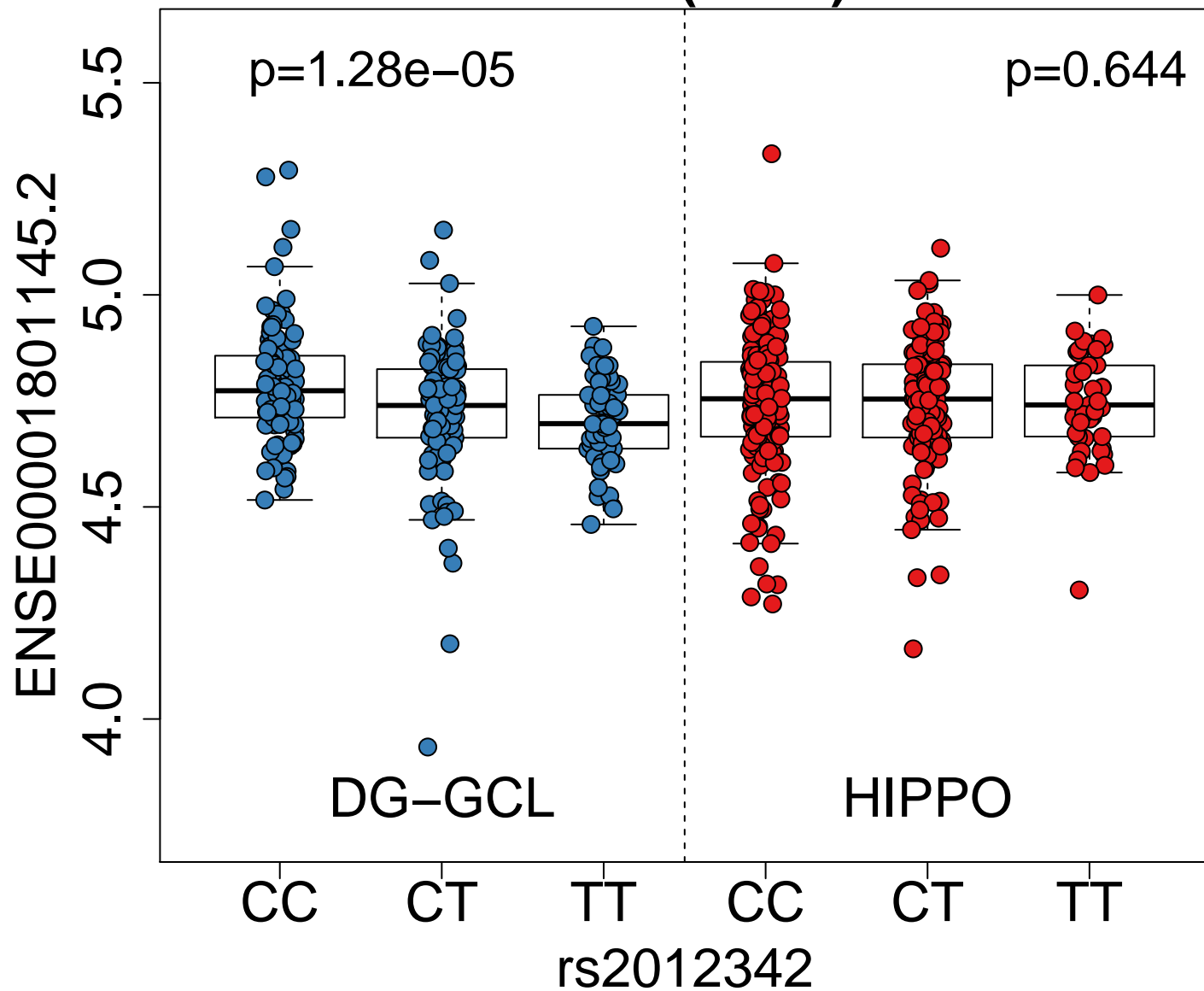
Index: rs2410572 ($R^2=0.864$)

PSD3 (Exon)



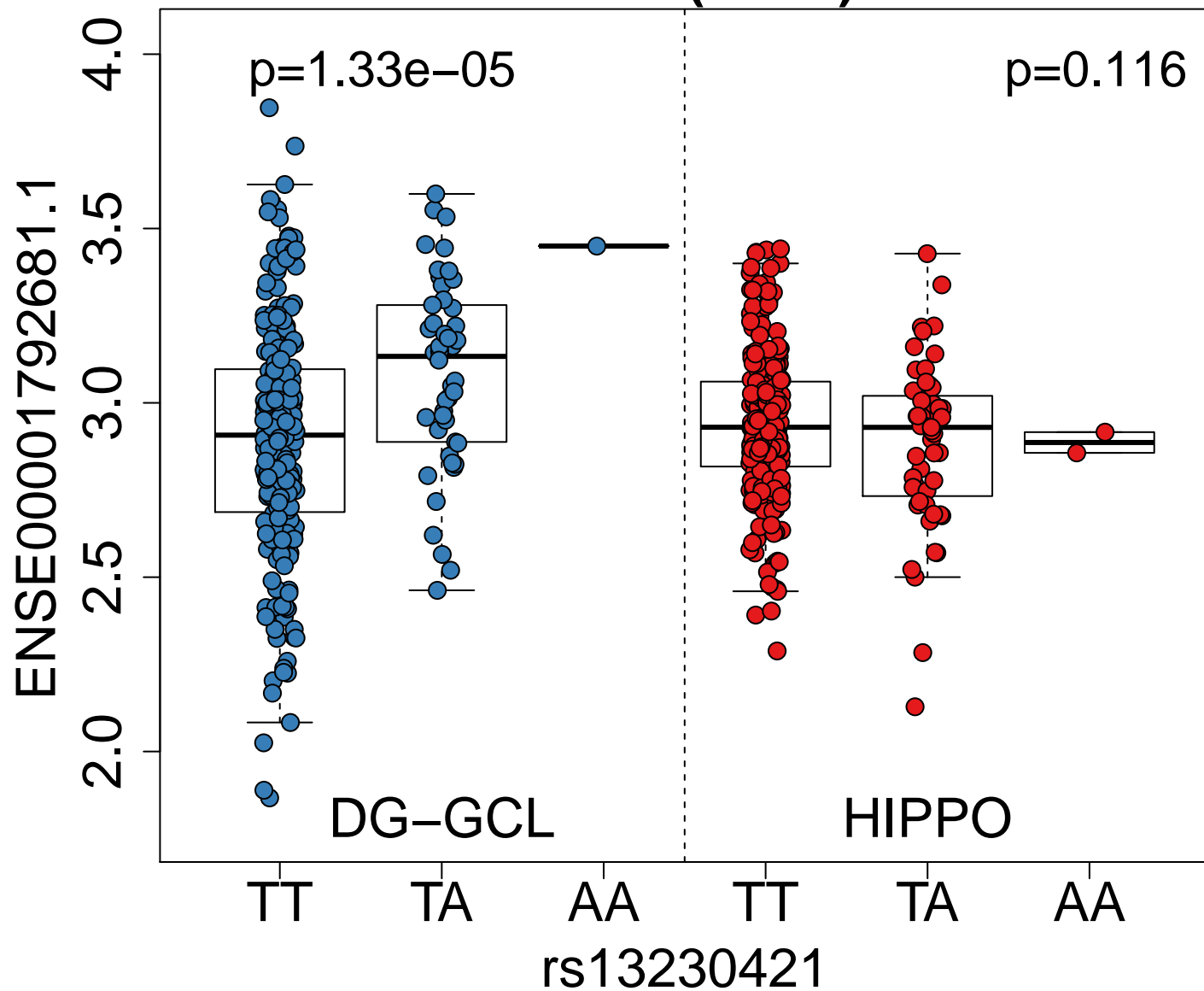
Index: rs2410572 ($R^2=0.864$)

PSD3 (Exon)



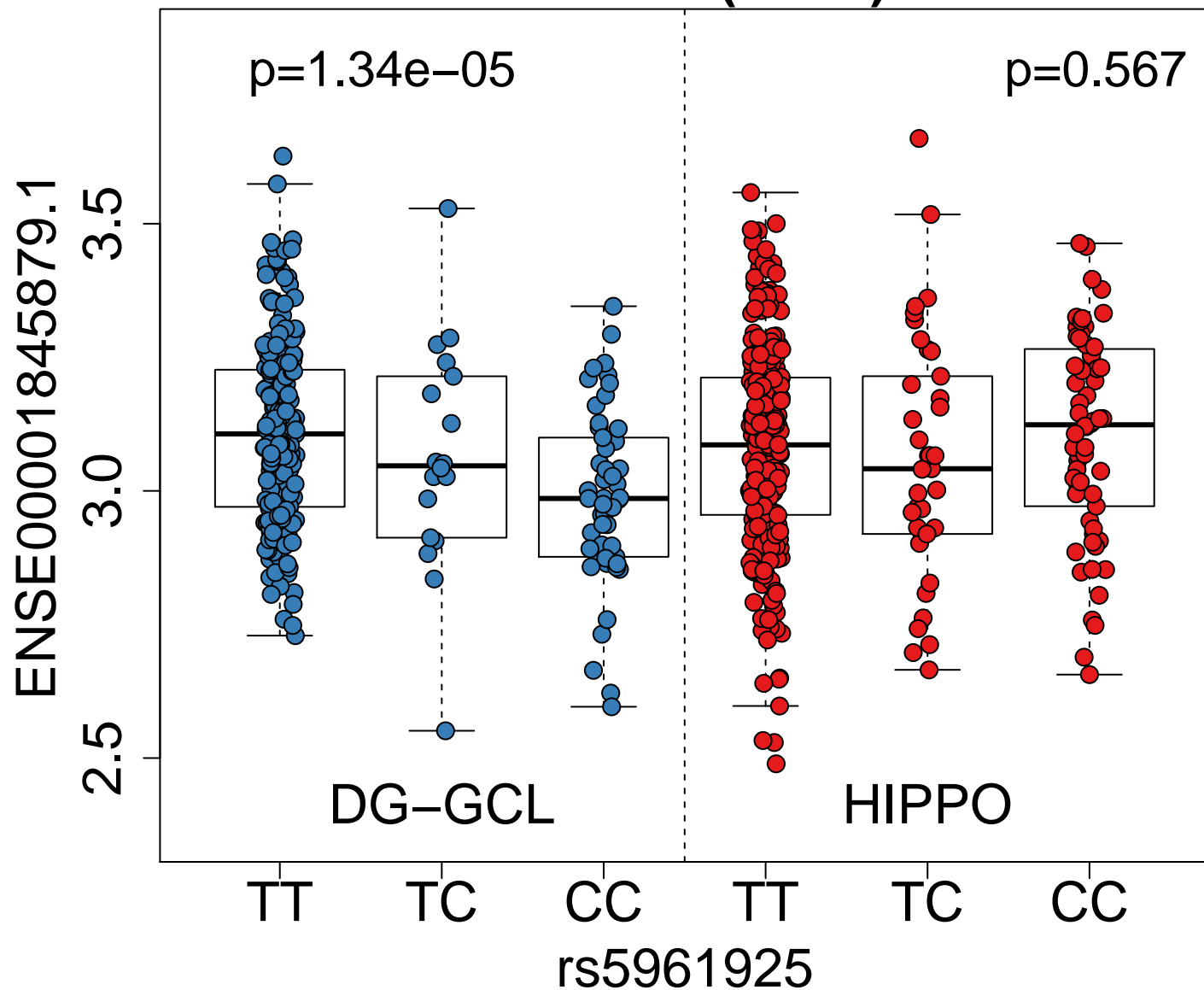
Index: rs12704290 ($R^2=0.968$)

GRM3 (Exon)



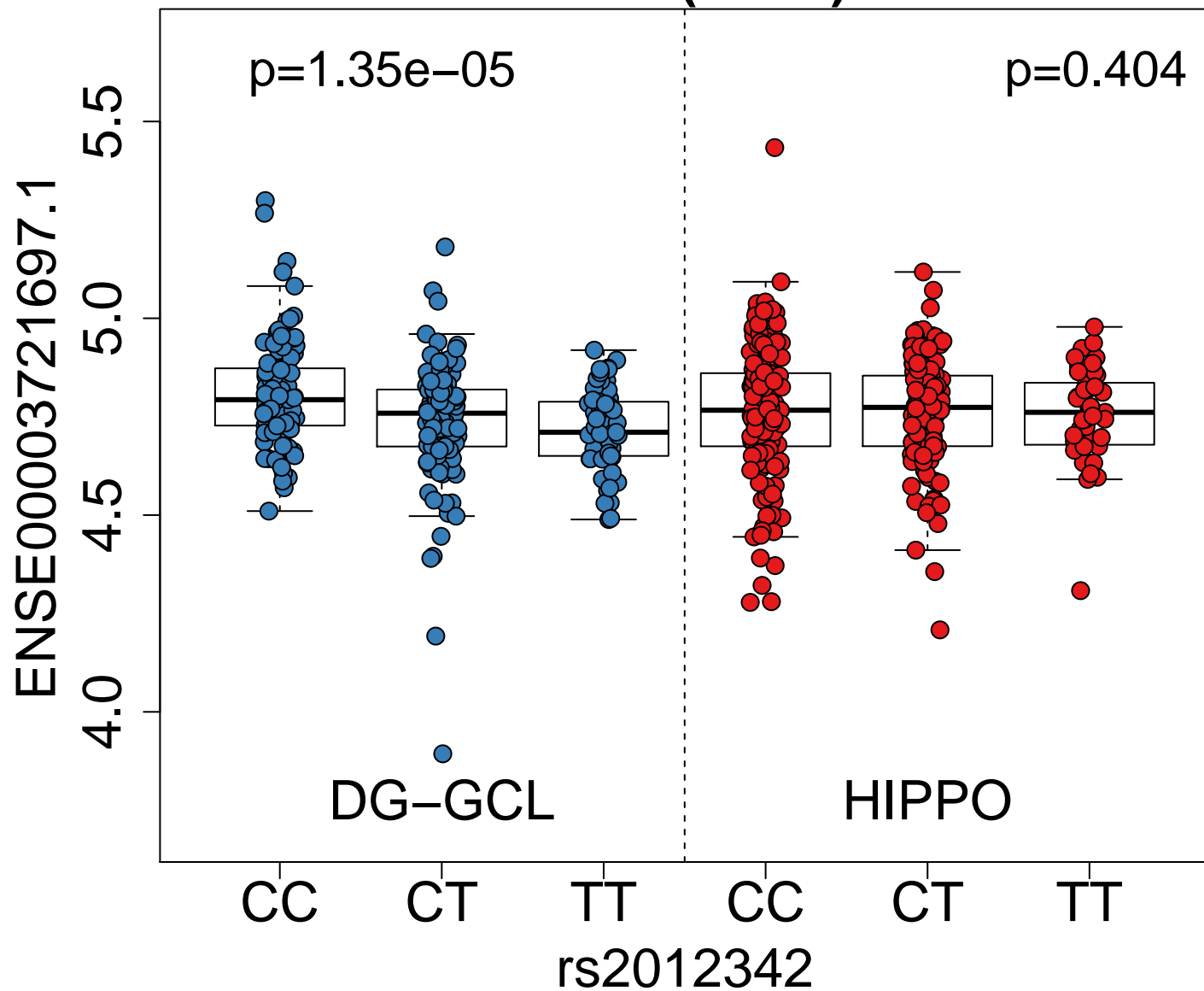
Index: rs12009217 ($R^2=0.966$)

NLGN4X (Exon)



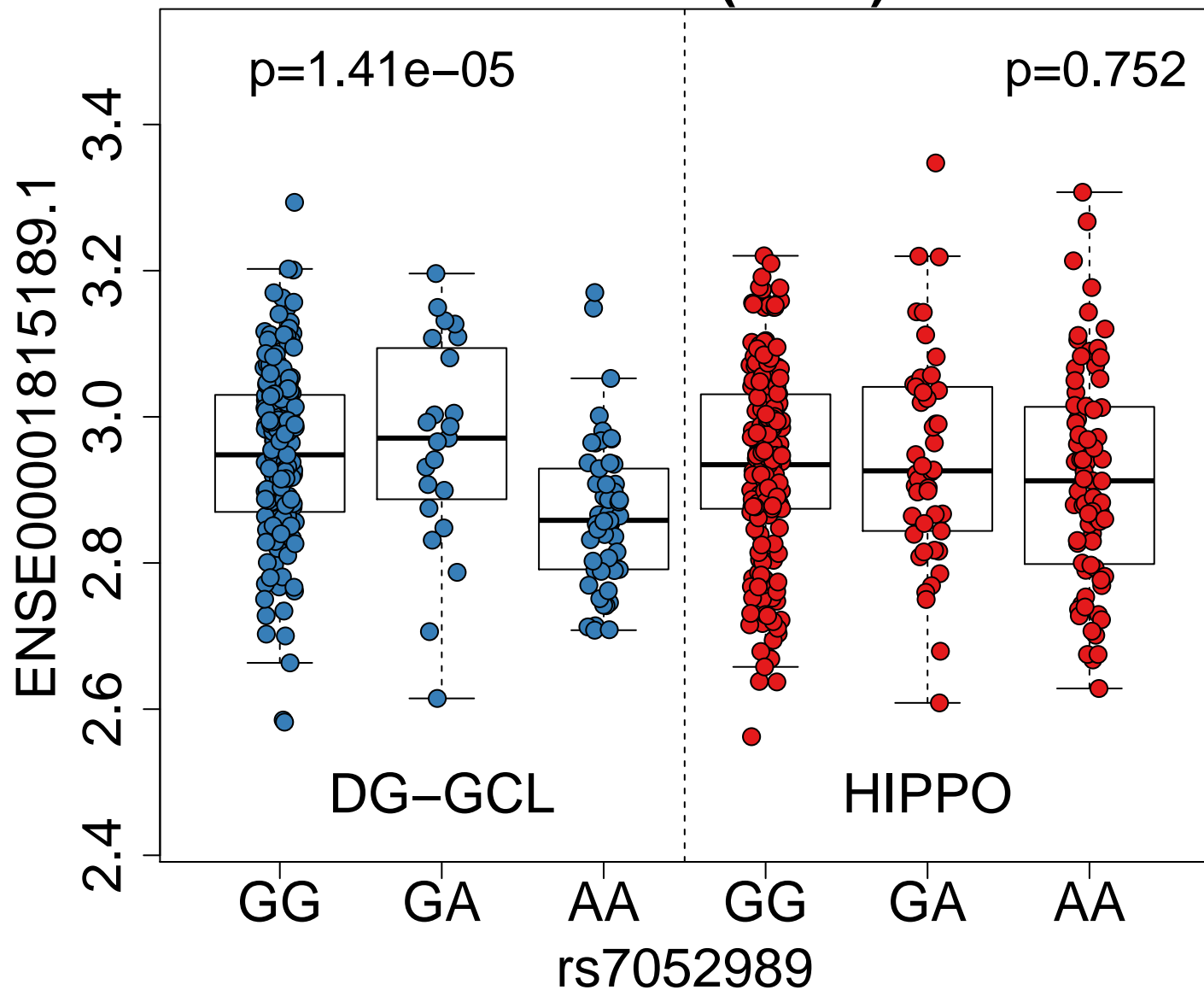
Index: rs2410572 ($R^2=0.864$)

PSD3 (Exon)



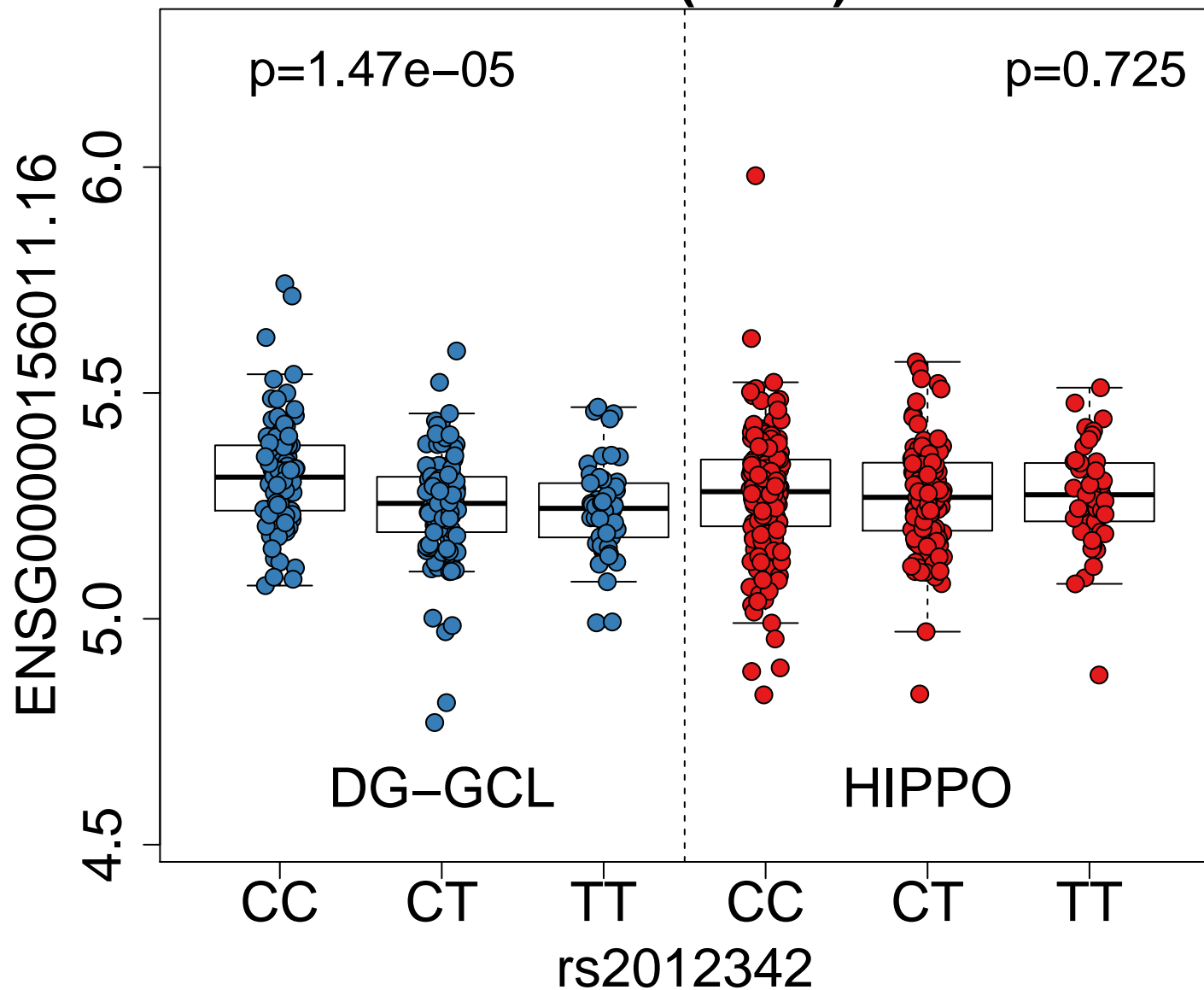
Index: rs12009217 ($R^2=0.974$)

NLGN4X (Exon)



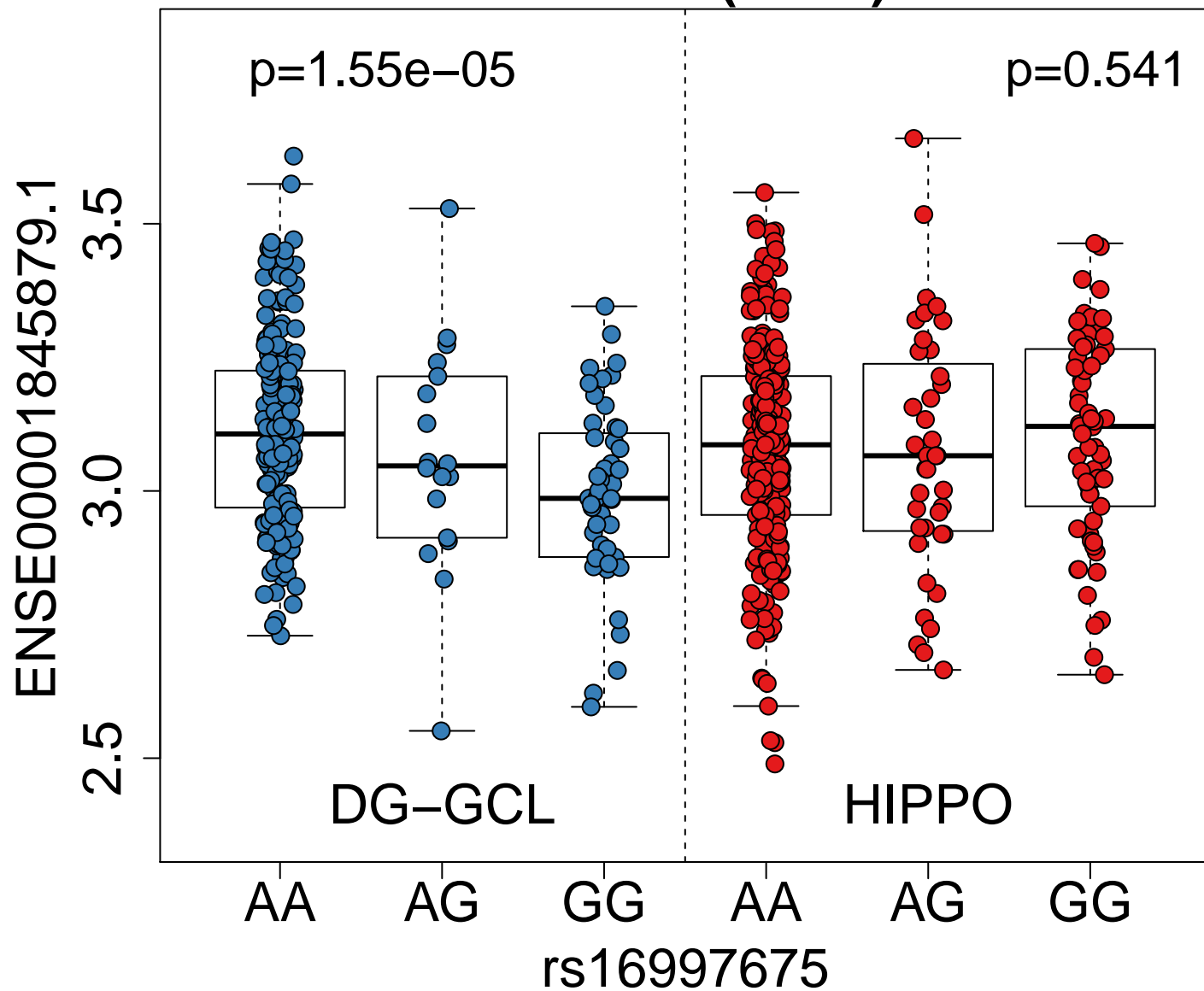
Index: rs2410572 ($R^2=0.864$)

PSD3 (Gene)



Index: rs12009217 ($R^2=0.958$)

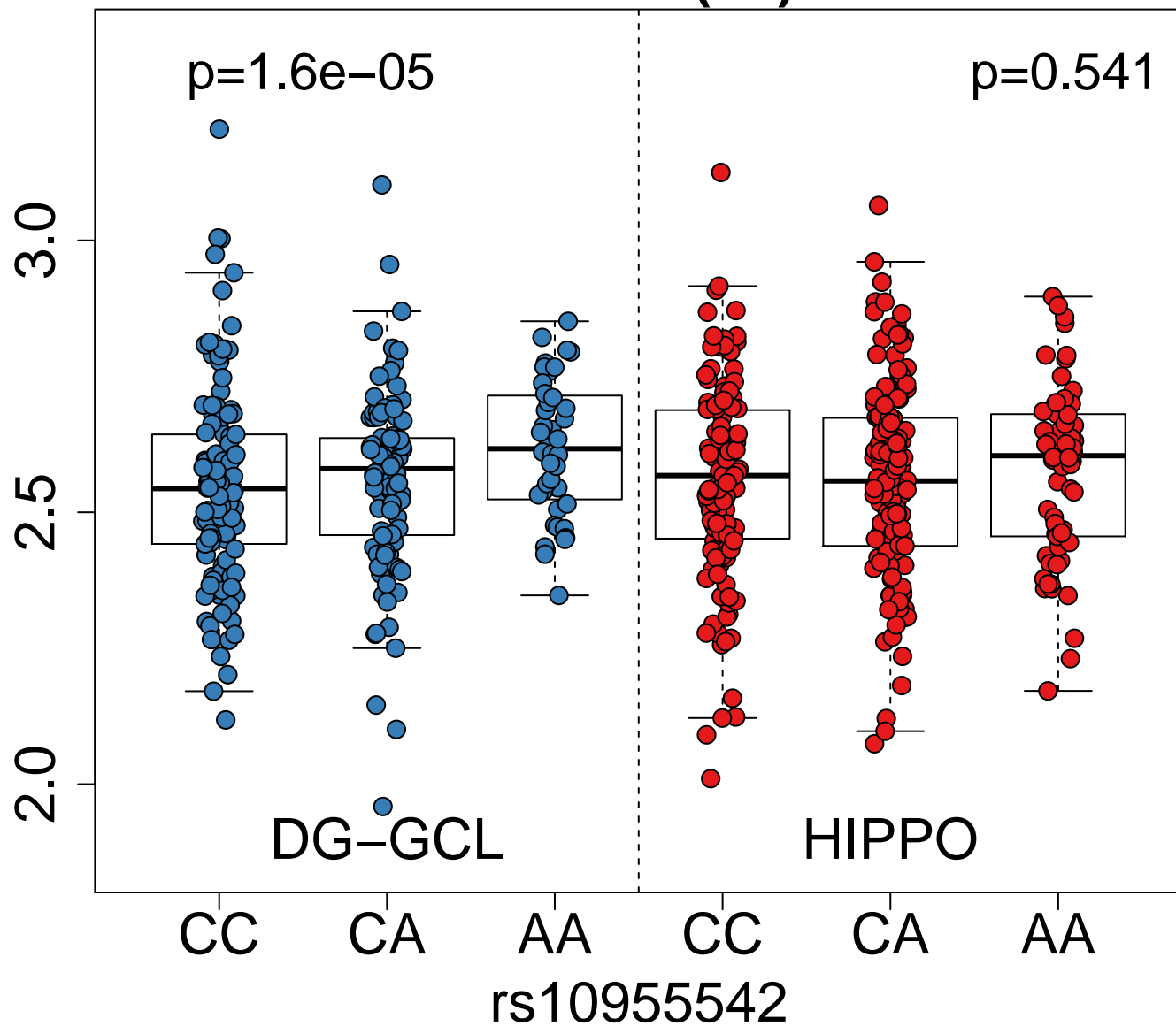
NLGN4X (Exon)



Index: rs7010876 ($R^2=0.843$)

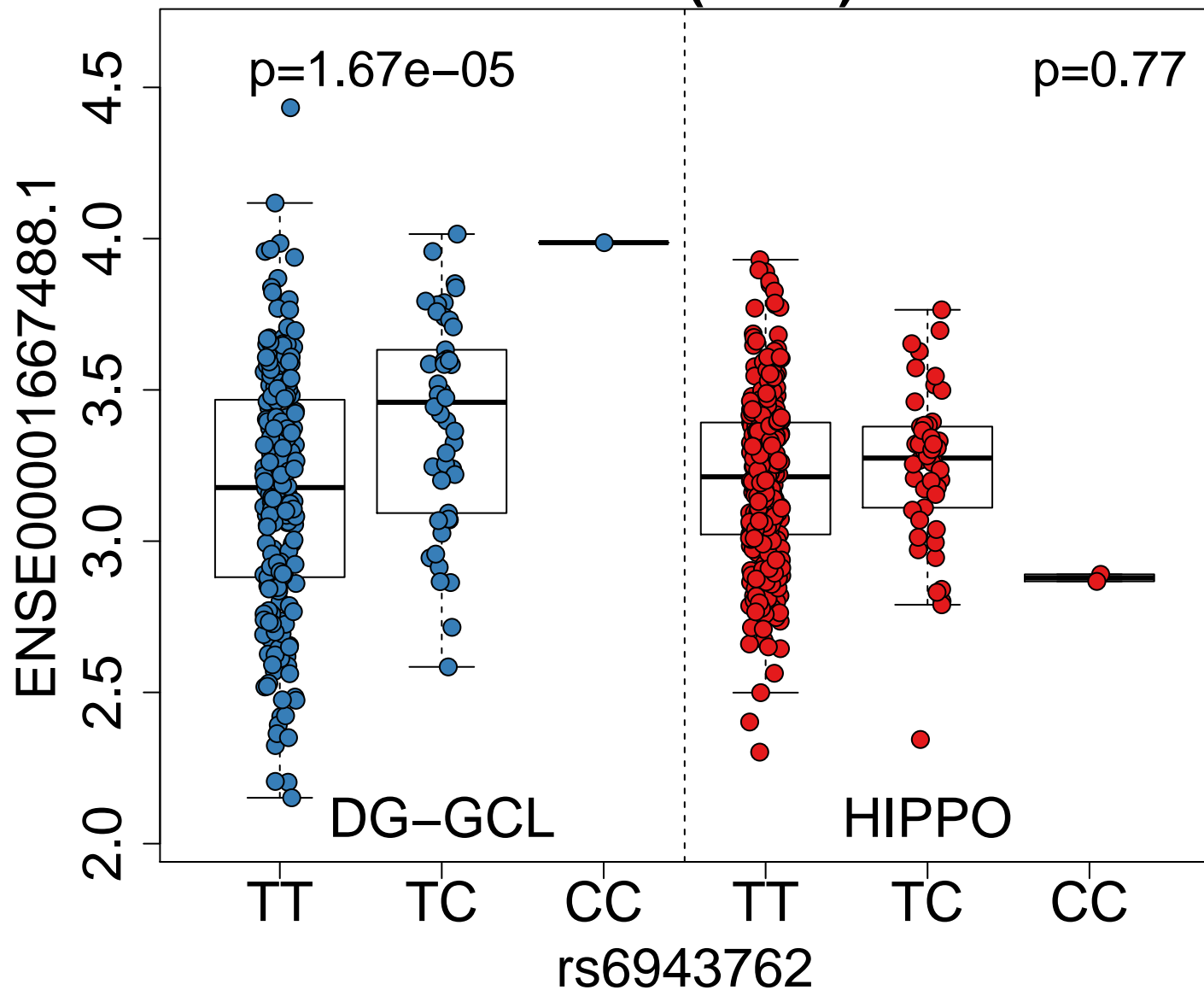
MMP16 (Tx)

ENST00000286614.10



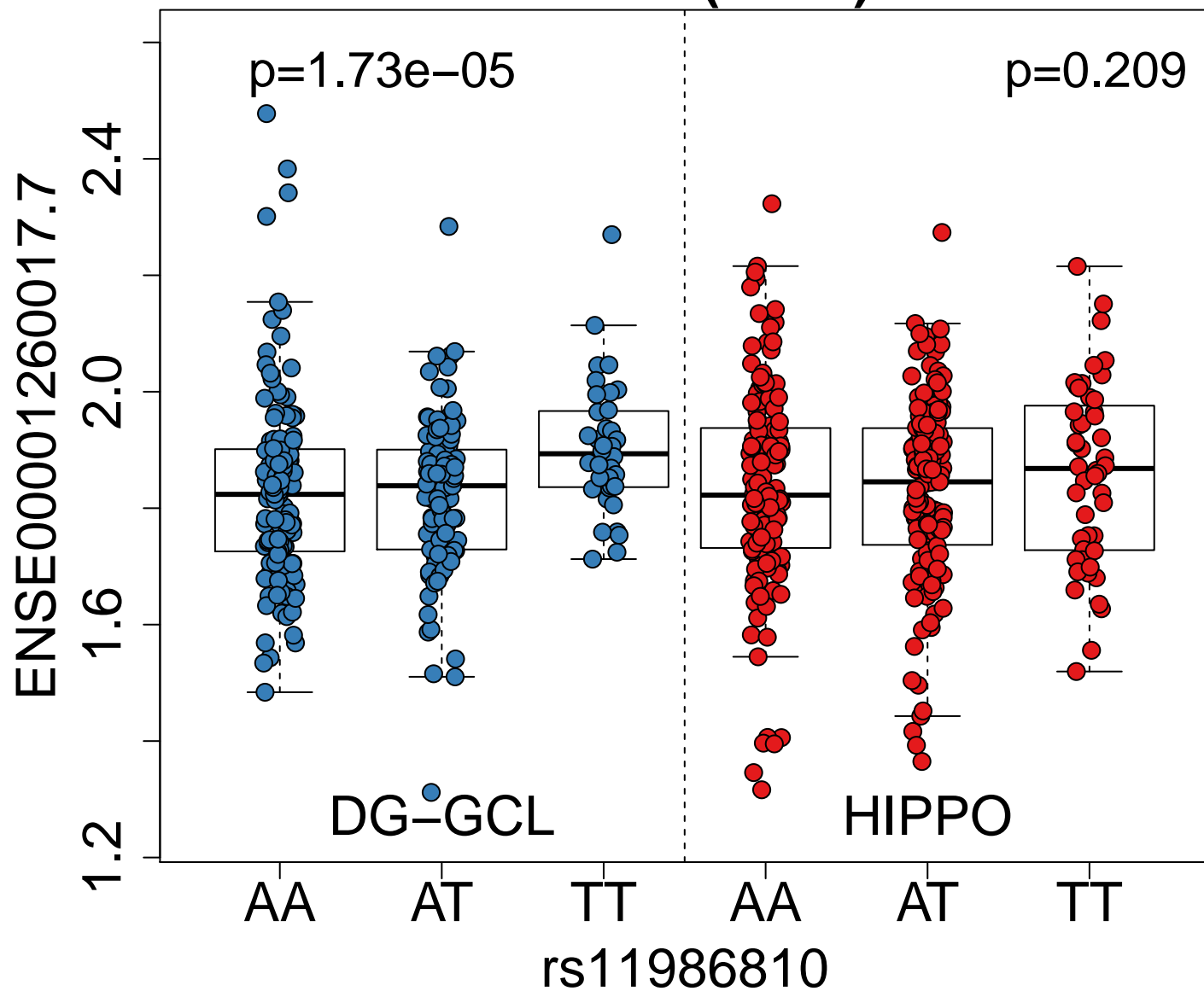
Index: rs12704290 ($R^2=0.817$)

GRM3 (Exon)

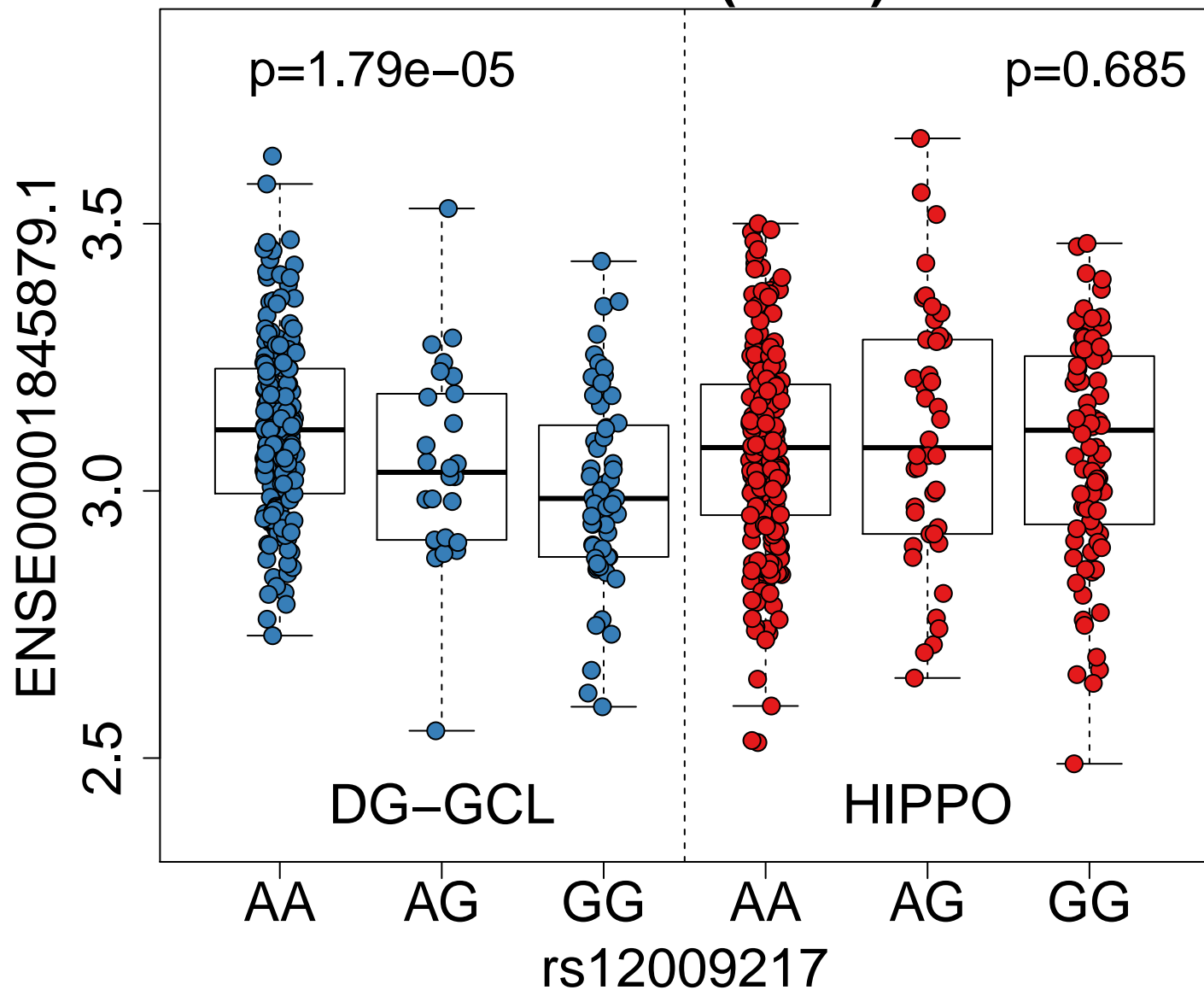


Index: rs7010876 ($R^2=0.803$)

MMP16 (Exon)



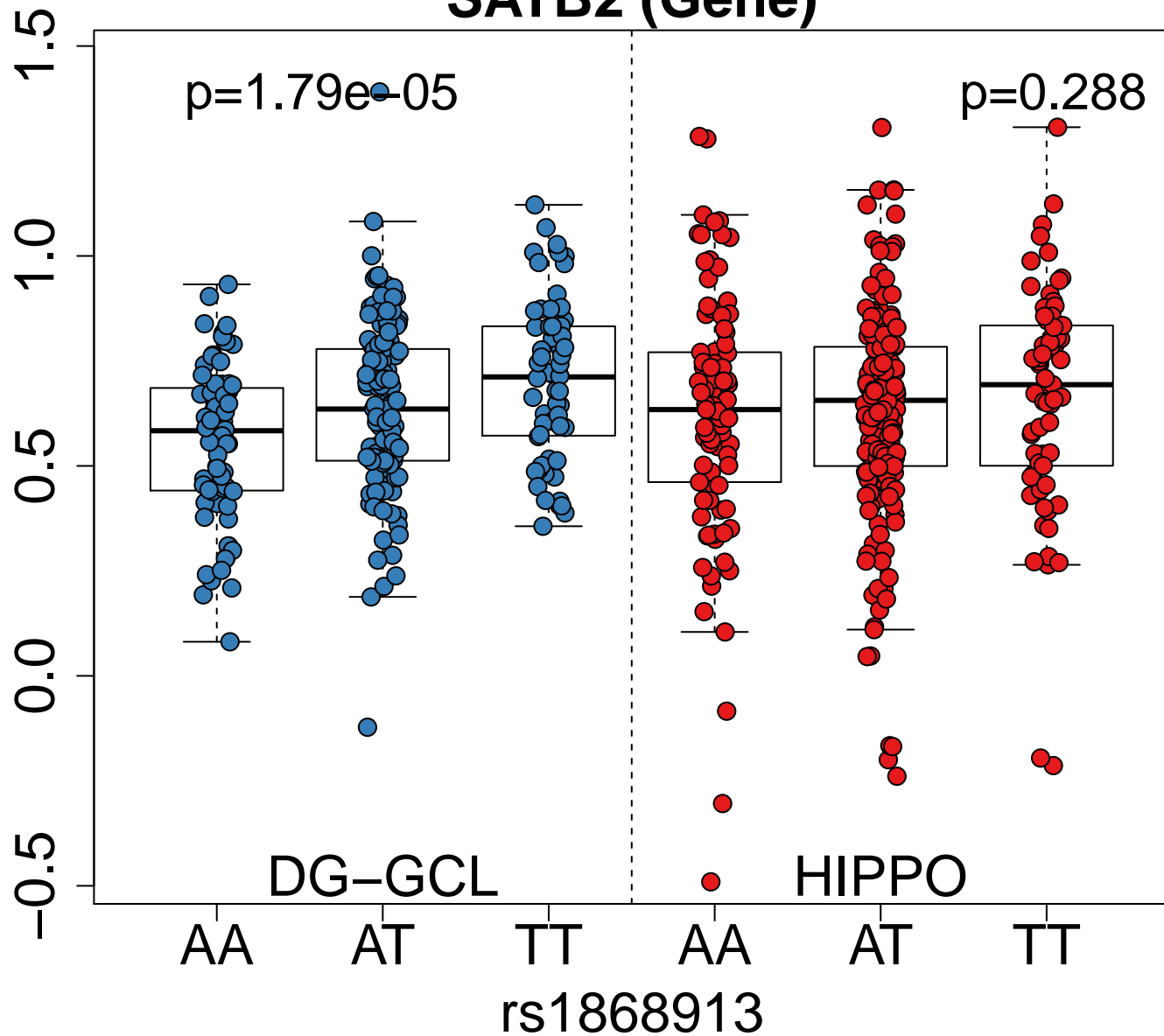
Index: rs12009217 ($R^2=1$)
NLGN4X (Exon)



Index: rs1451488 ($R^2=0.873$)

SATB2 (Gene)

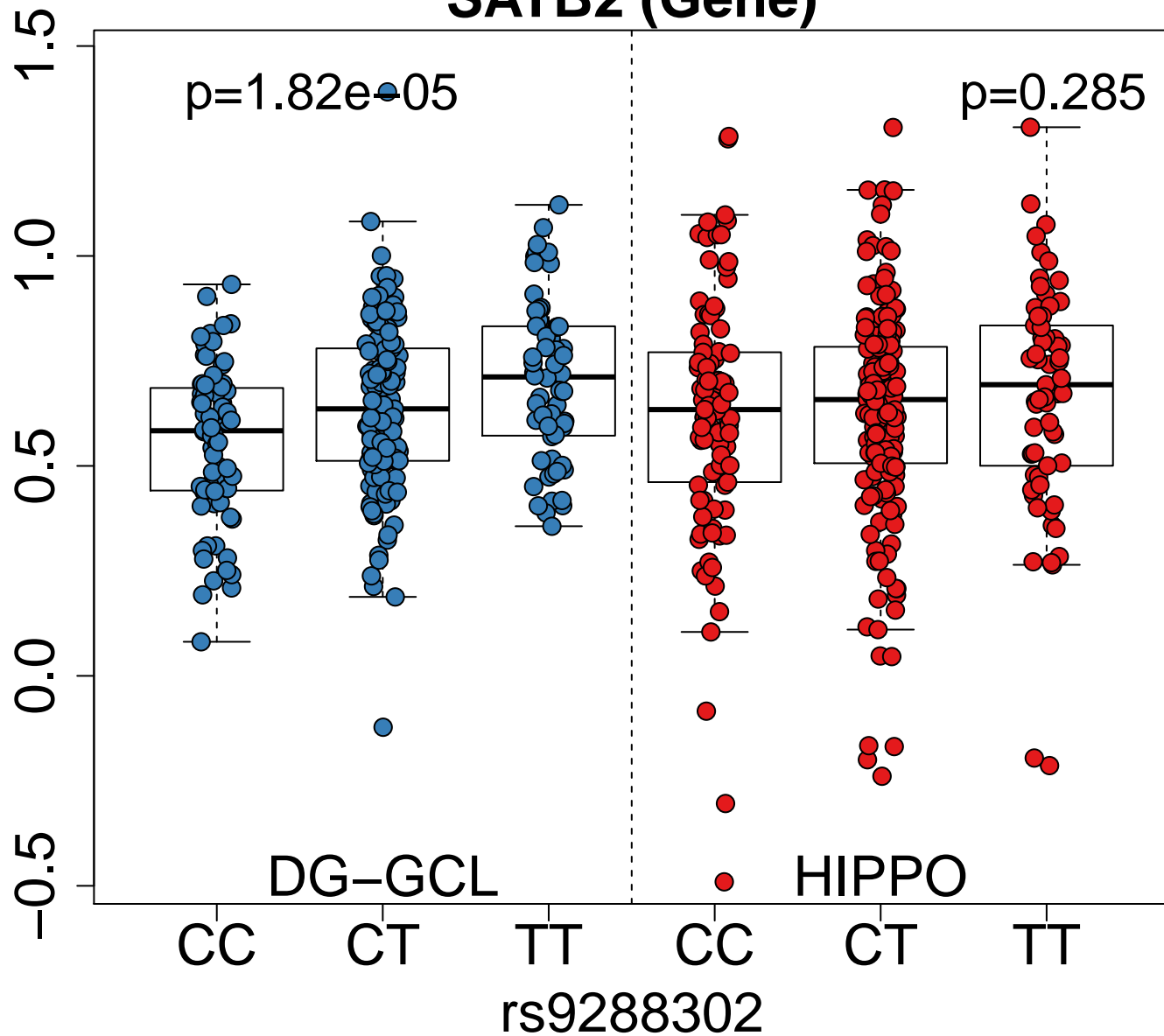
ENSG00000119042.16



Index: rs1451488 ($R^2=0.873$)

SATB2 (Gene)

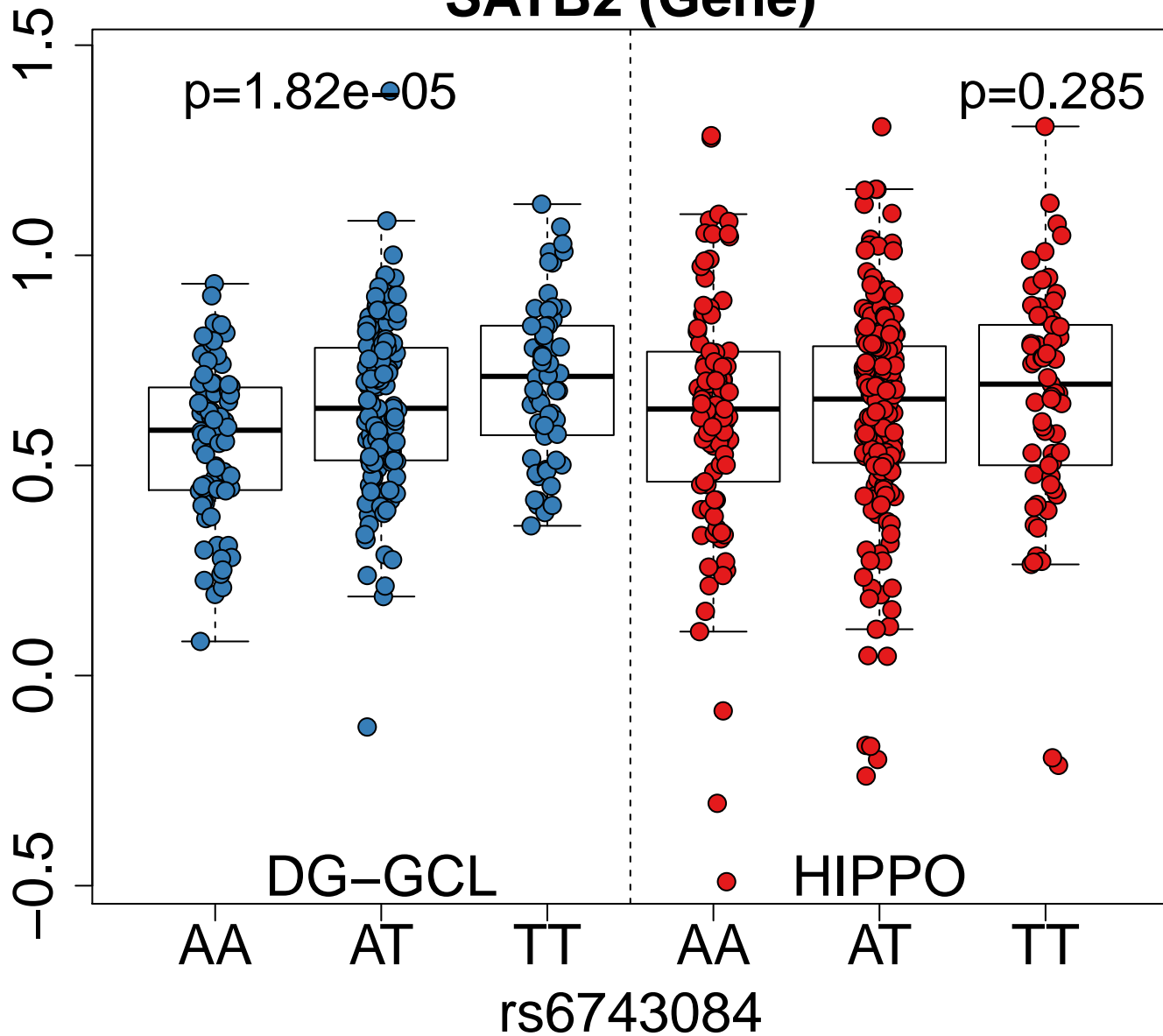
ENSG00000119042.16



Index: rs1451488 ($R^2=0.876$)

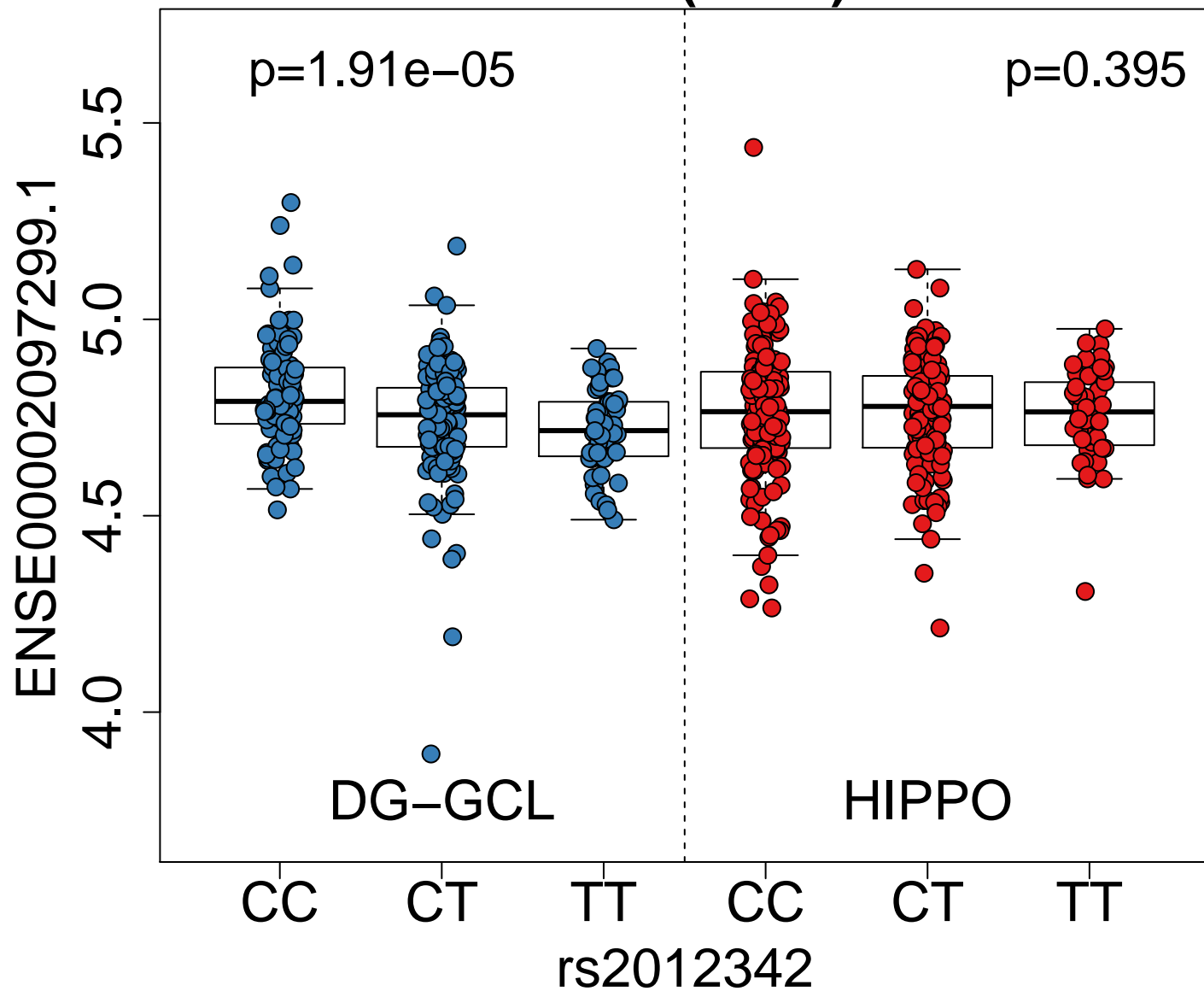
SATB2 (Gene)

ENSG00000119042.16



Index: rs2410572 ($R^2=0.864$)

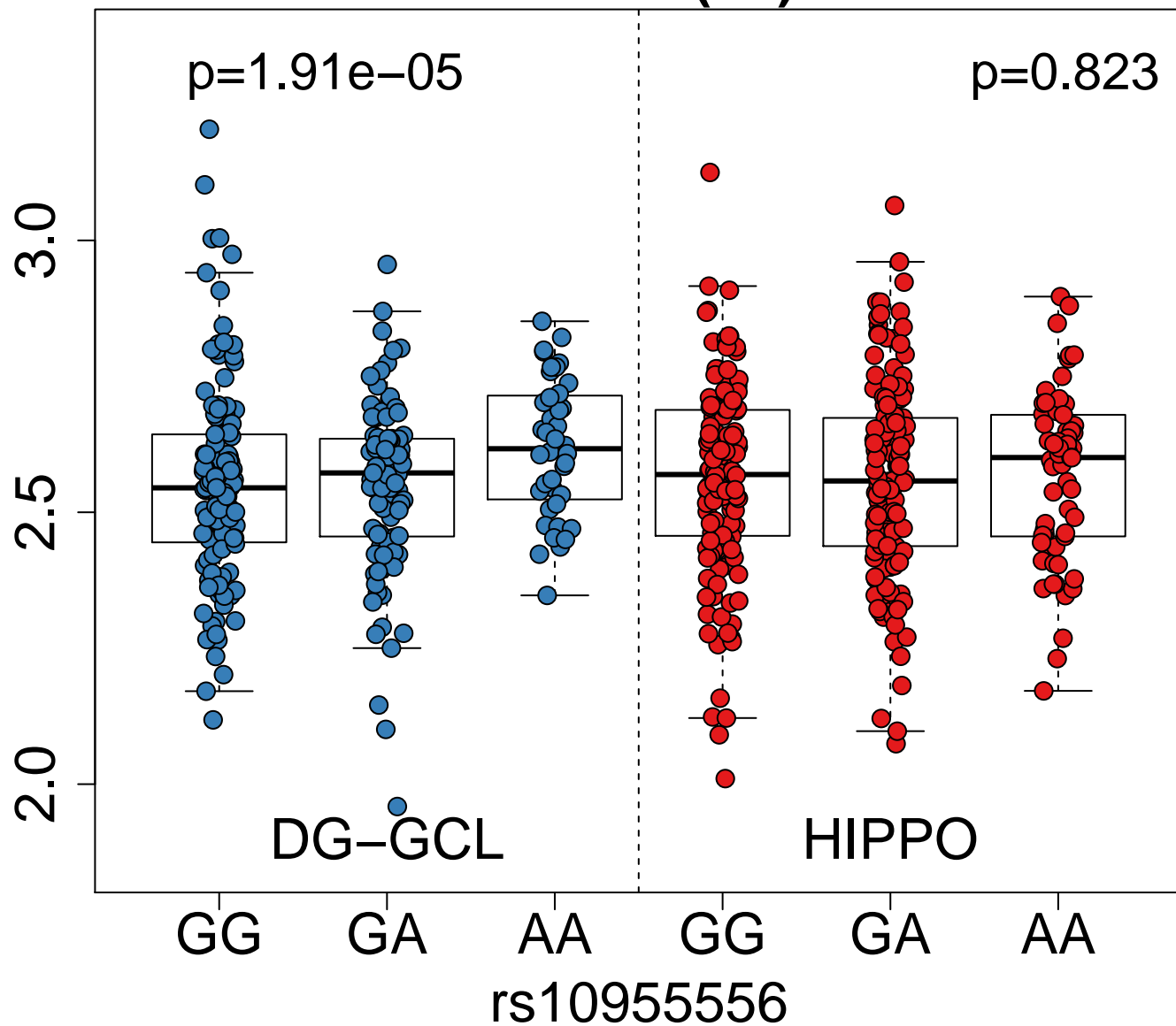
PSD3 (Exon)



Index: rs7010876 ($R^2=0.848$)

MMP16 (Tx)

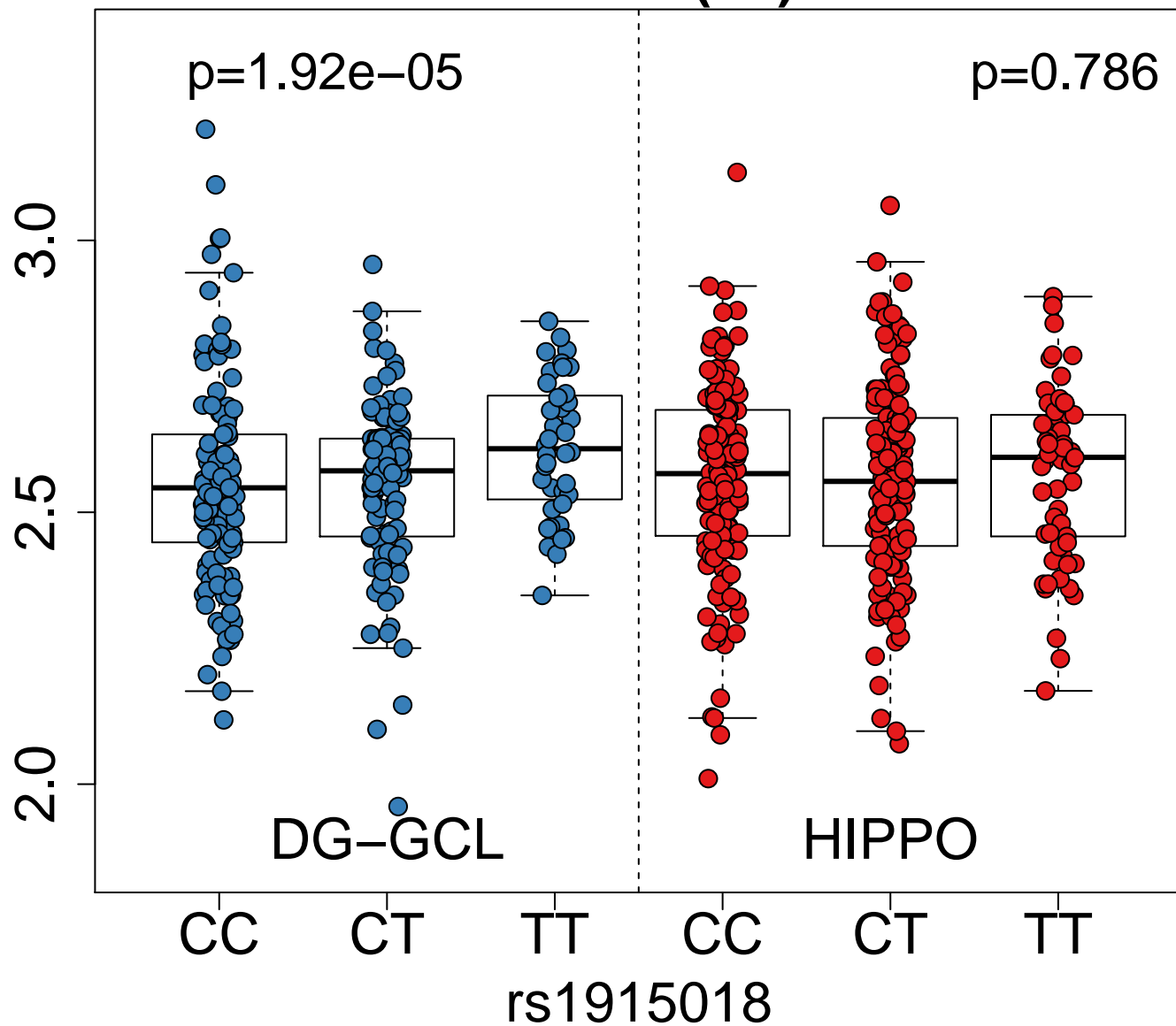
ENST00000286614.10



Index: rs7010876 ($R^2=0.843$)

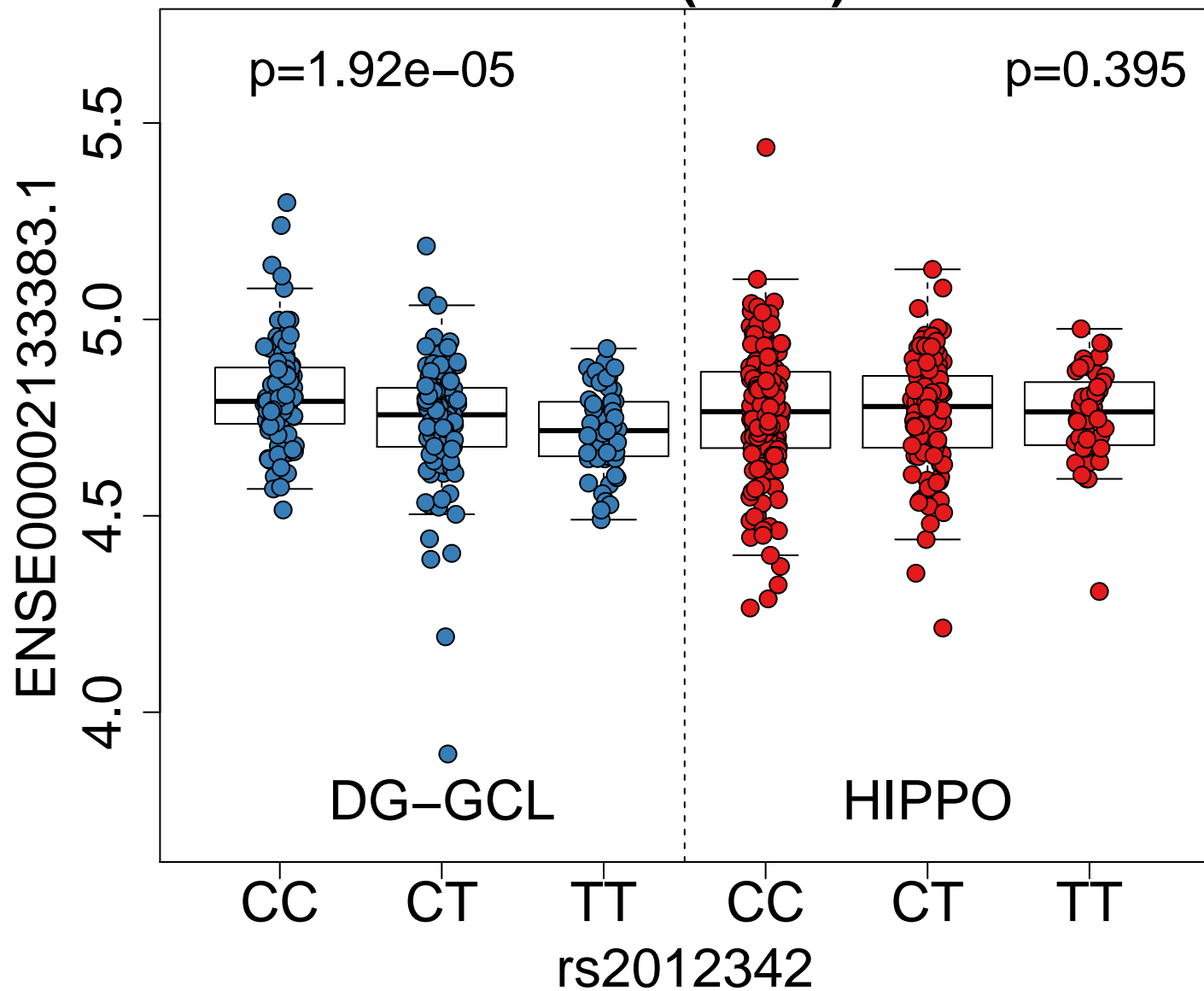
MMP16 (Tx)

ENST00000286614.10



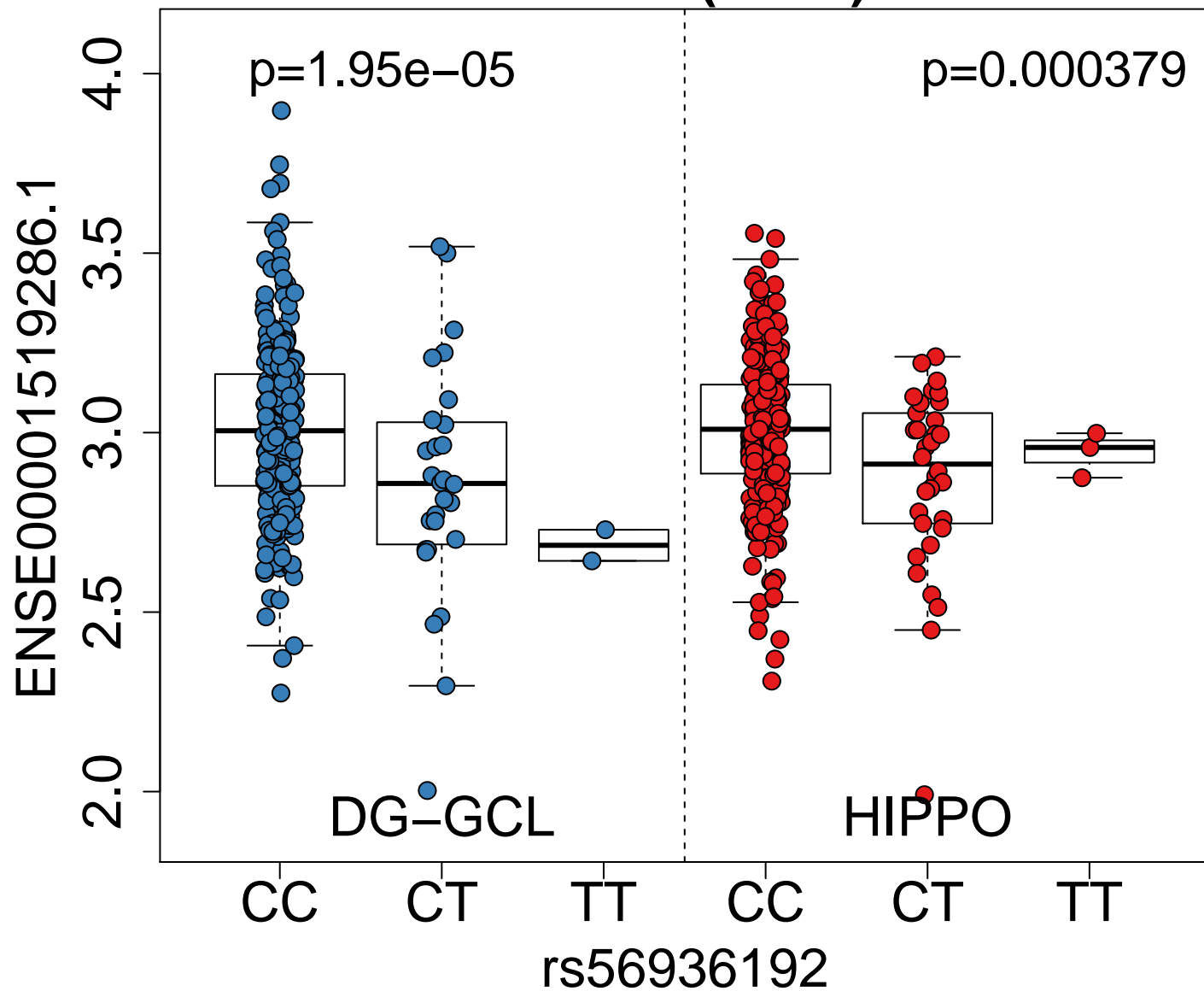
Index: rs2410572 ($R^2=0.864$)

PSD3 (Exon)



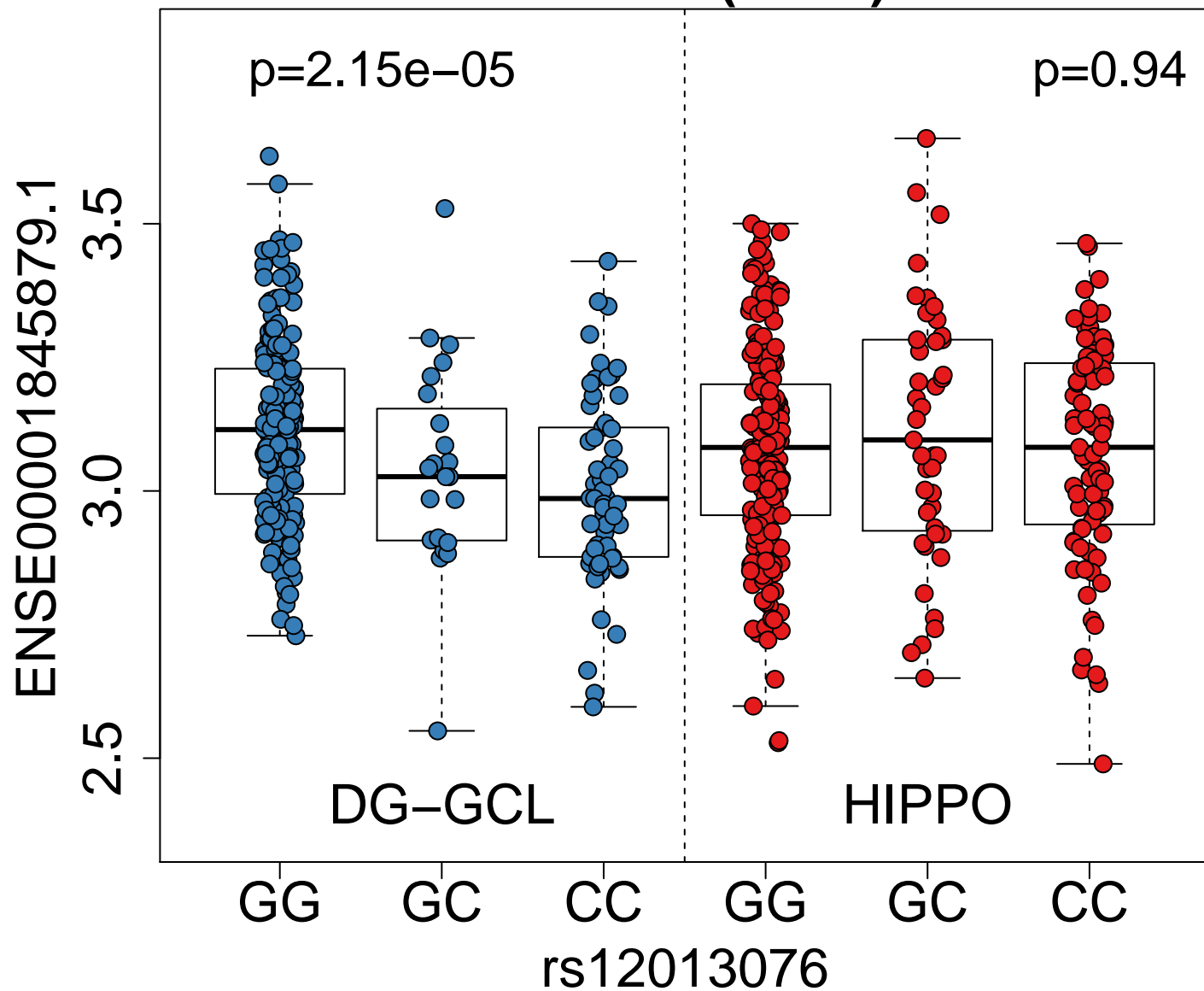
Index: rs147922658 ($R^2=0.925$)

DMTF1 (Exon)



Index: rs12009217 ($R^2=0.92$)

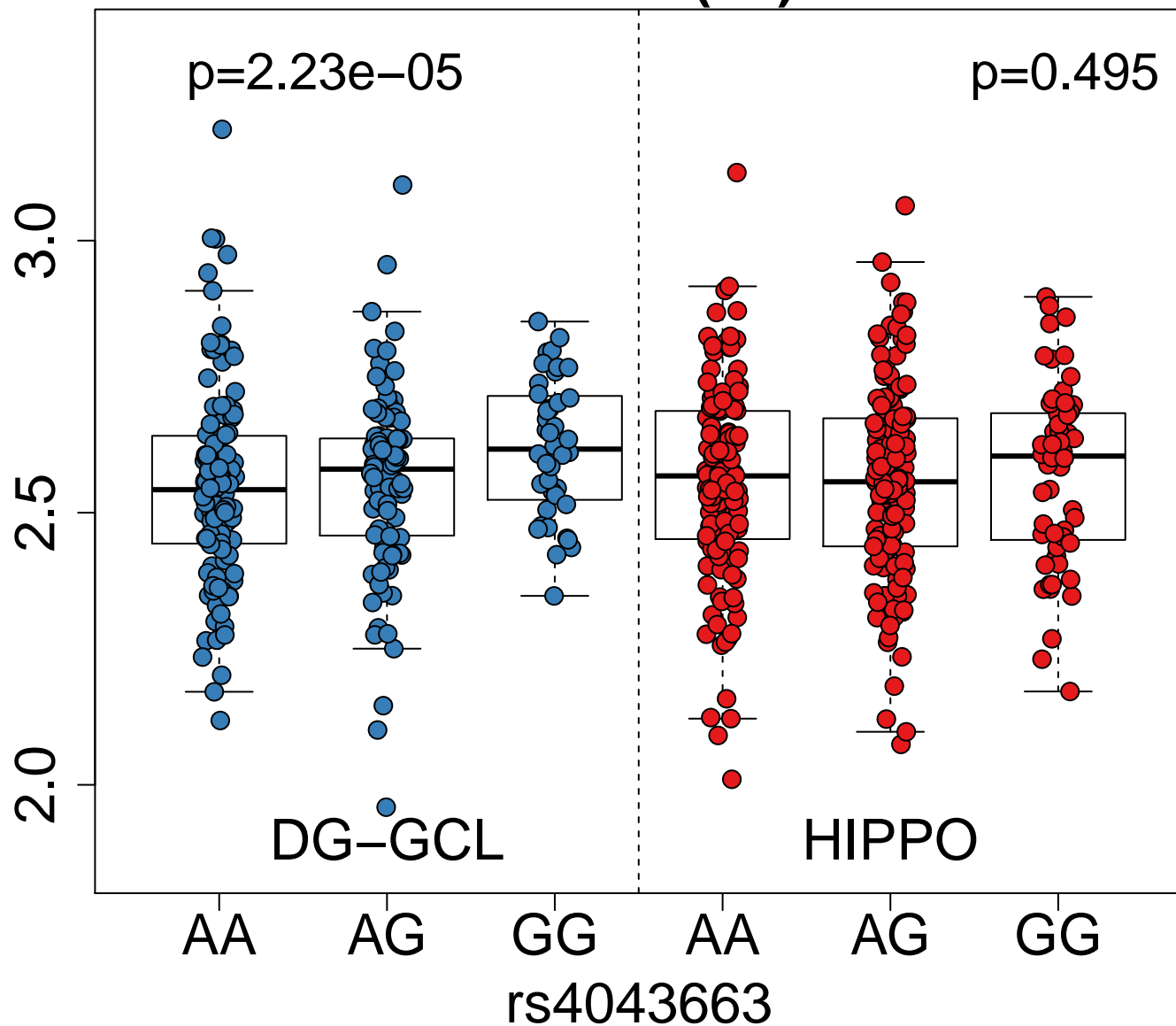
NLGN4X (Exon)



Index: rs7010876 ($R^2=0.843$)

MMP16 (Tx)

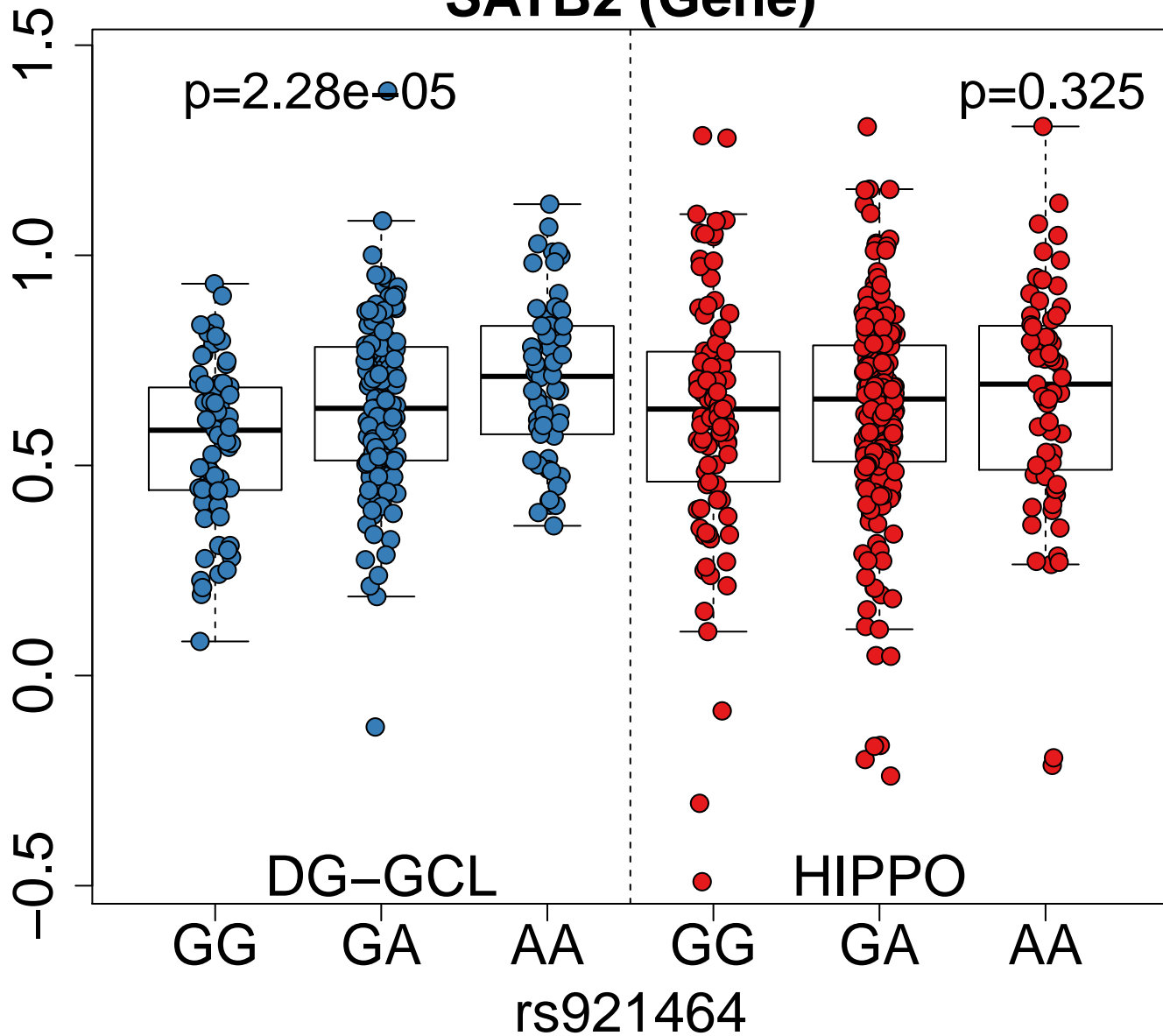
ENST00000286614.10



Index: rs1451488 ($R^2=0.876$)

SATB2 (Gene)

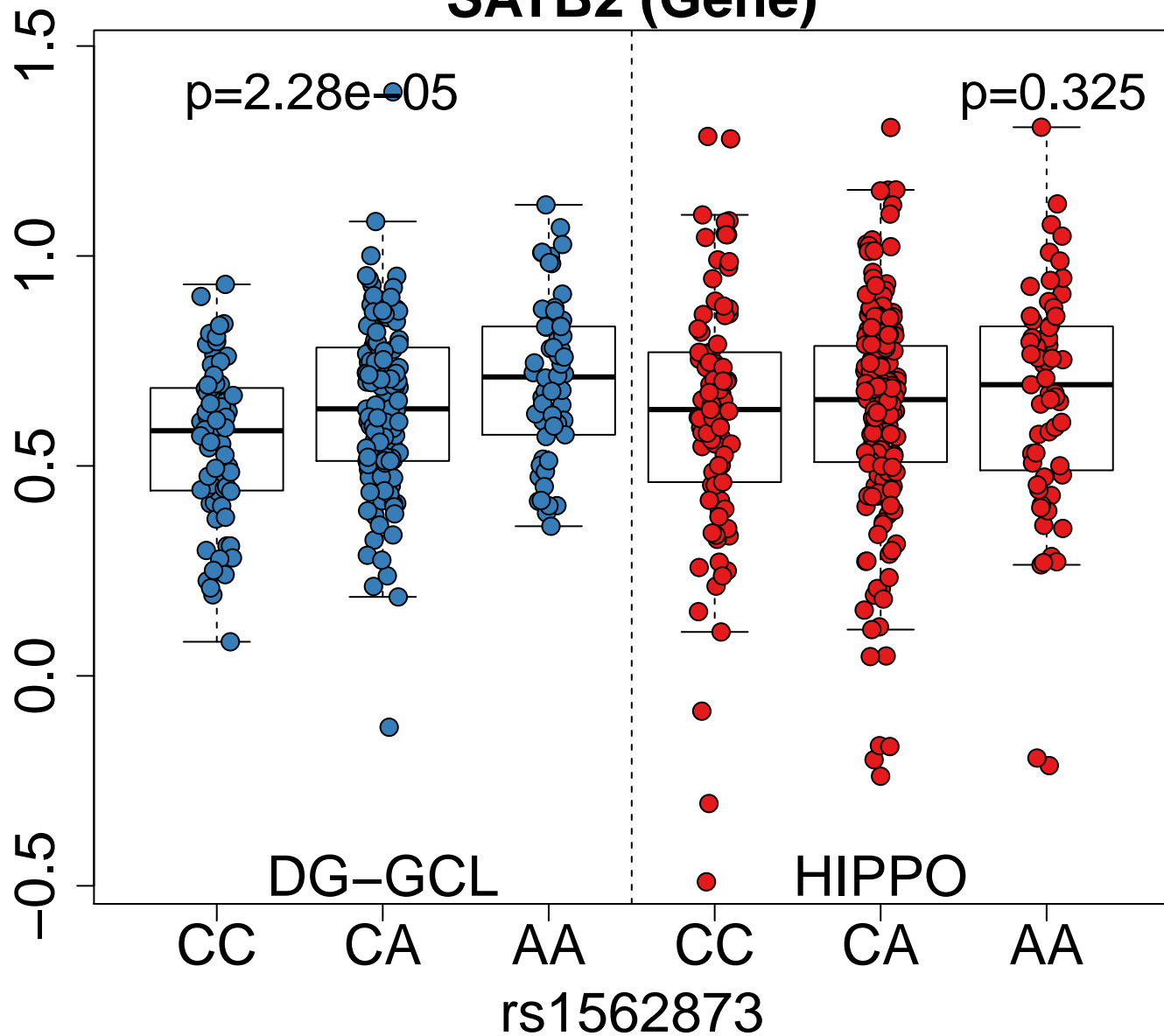
ENSG00000119042.16



Index: rs1451488 ($R^2=0.873$)

SATB2 (Gene)

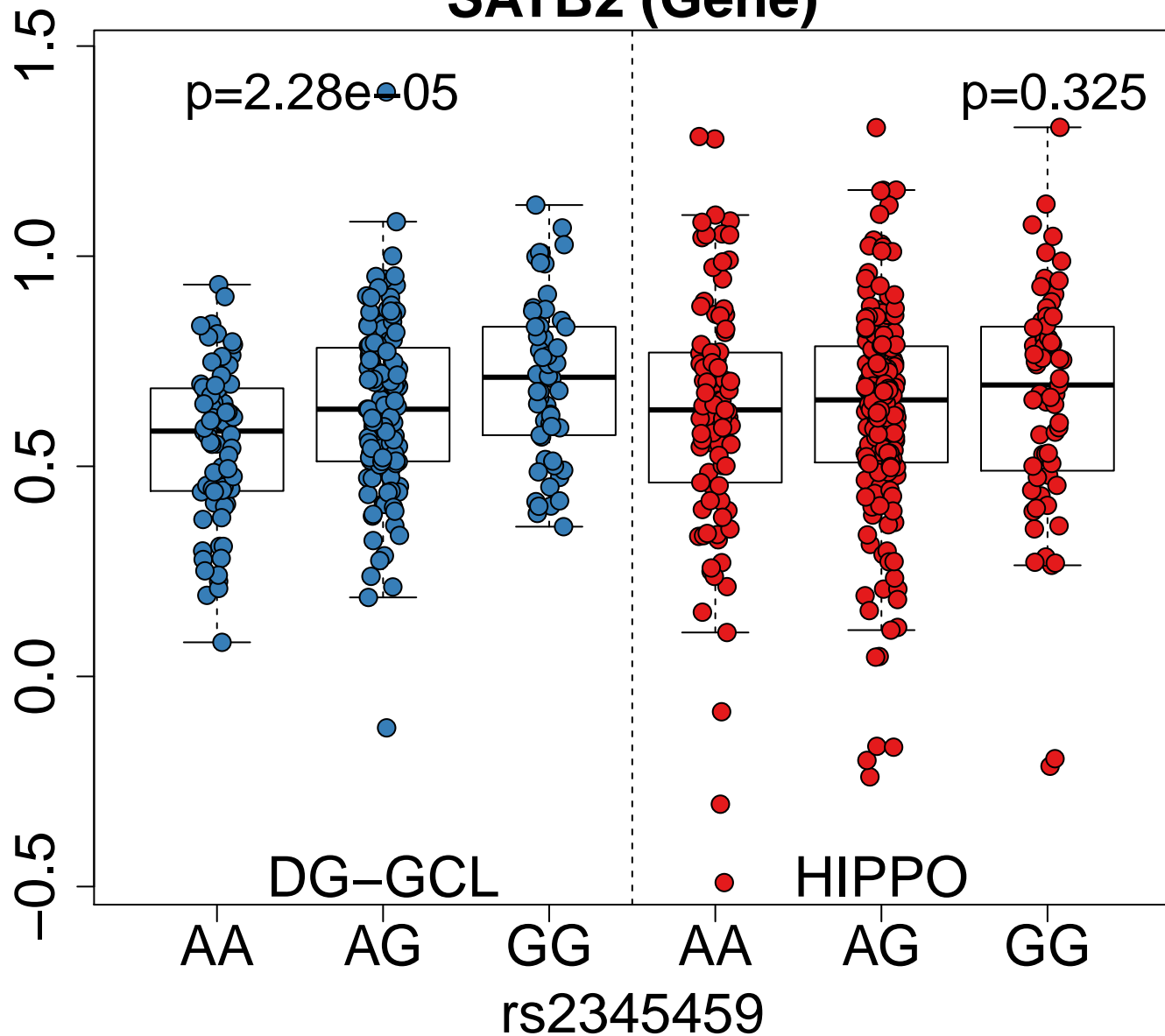
ENSG00000119042.16



Index: rs1451488 ($R^2=0.873$)

SATB2 (Gene)

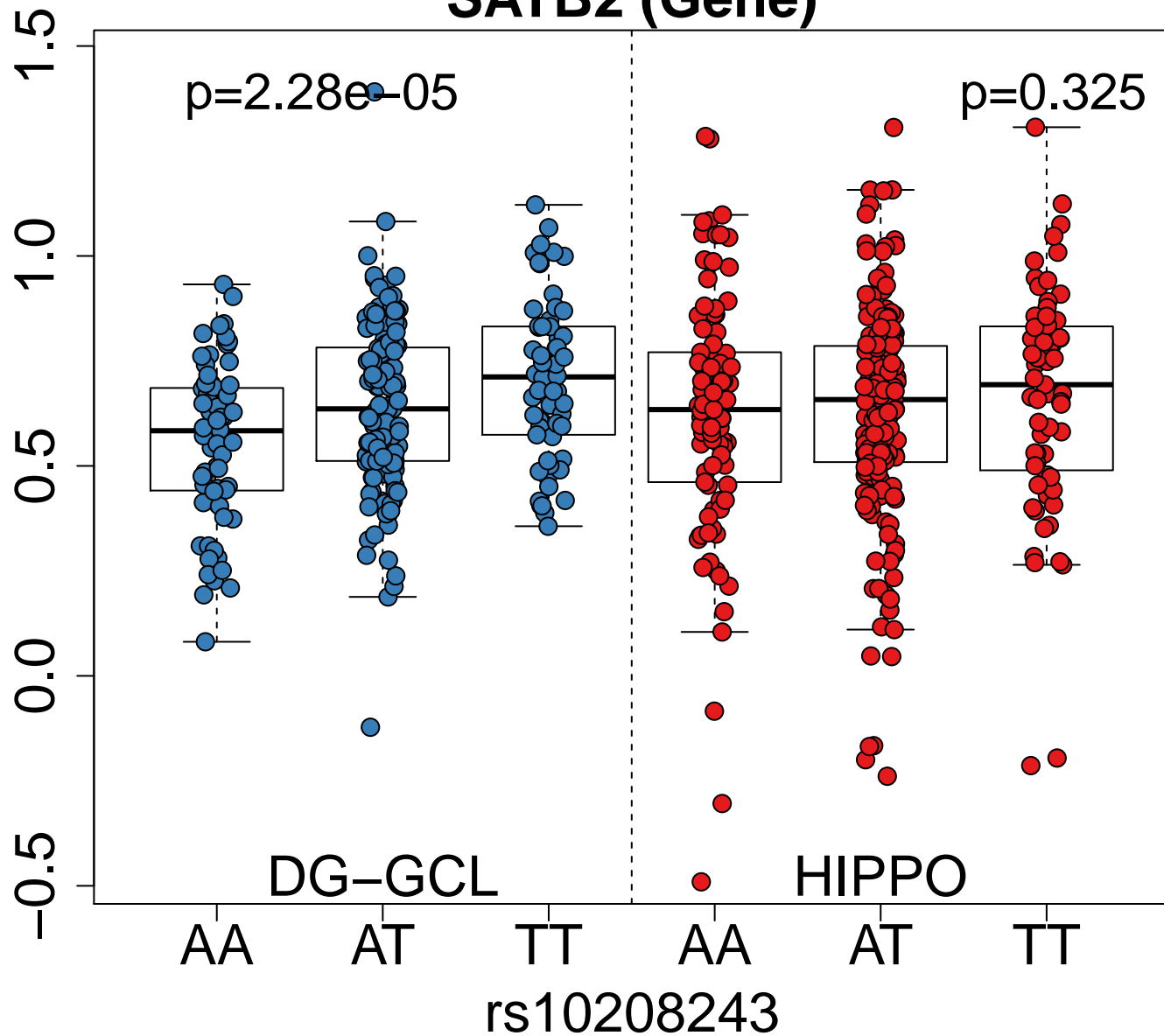
ENSG00000119042.16



Index: rs1451488 ($R^2=0.873$)

SATB2 (Gene)

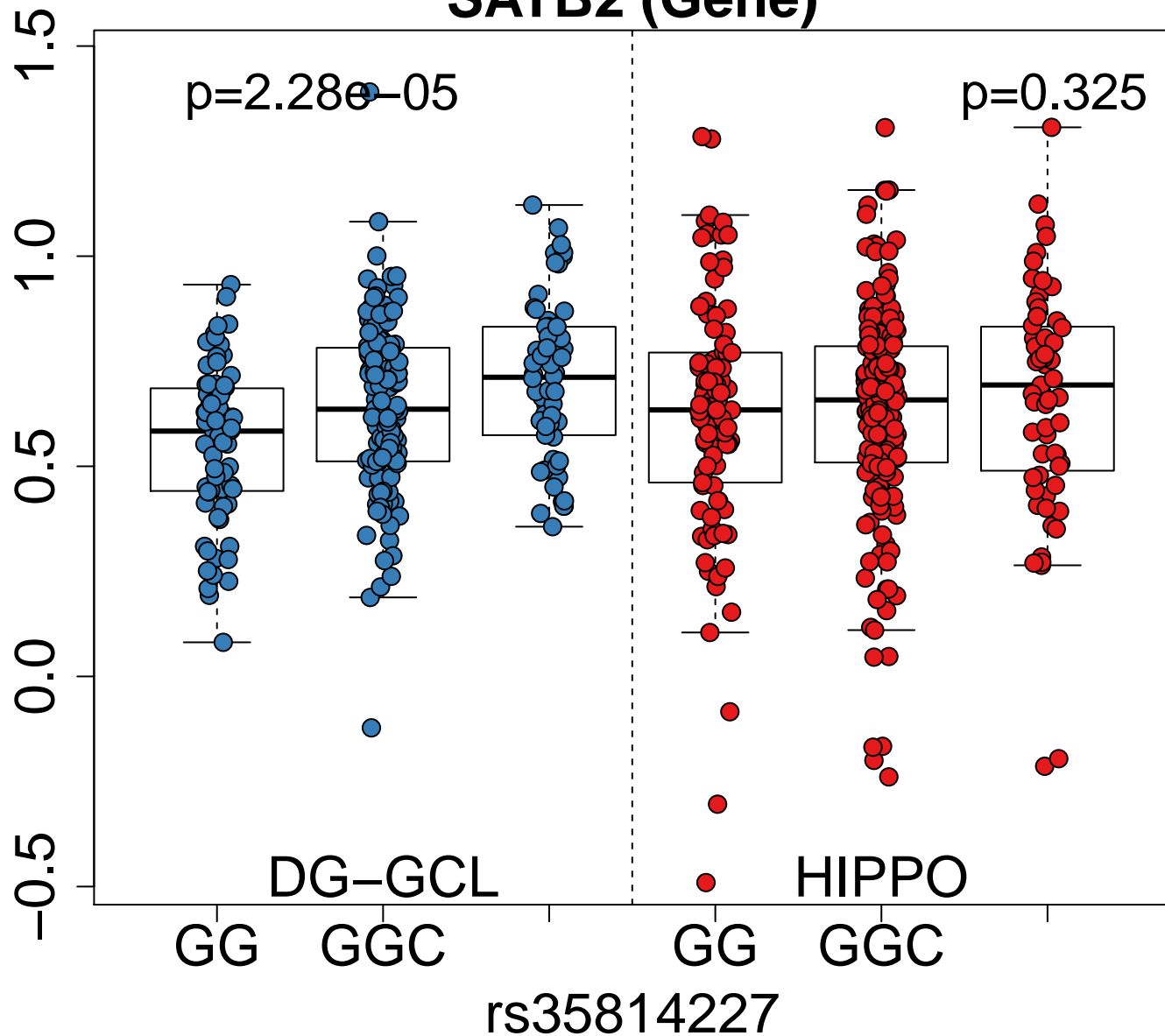
ENSG00000119042.16



Index: rs1451488 ($R^2=0.869$)

SATB2 (Gene)

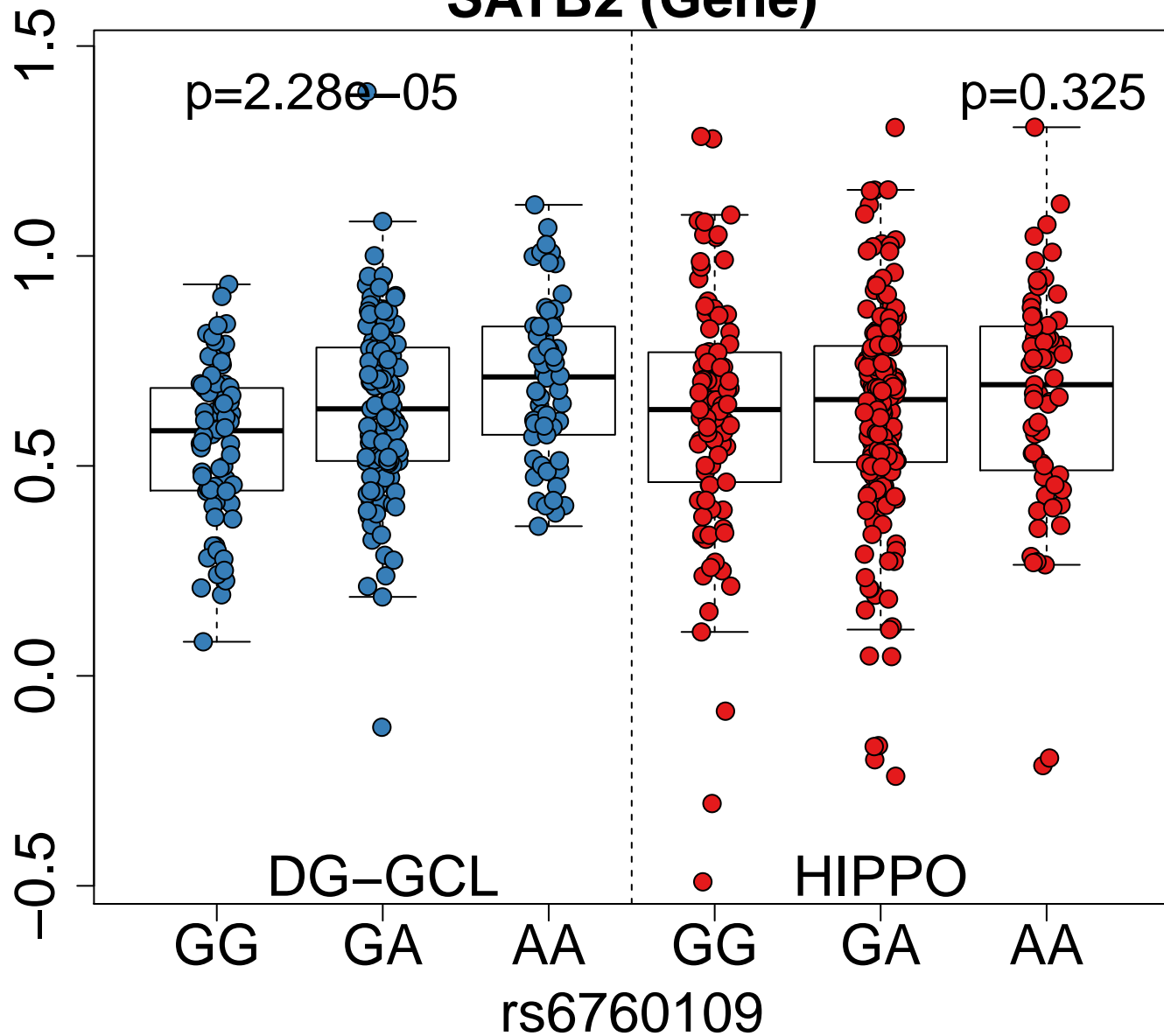
ENSG00000119042.16



Index: rs1451488 ($R^2=0.873$)

SATB2 (Gene)

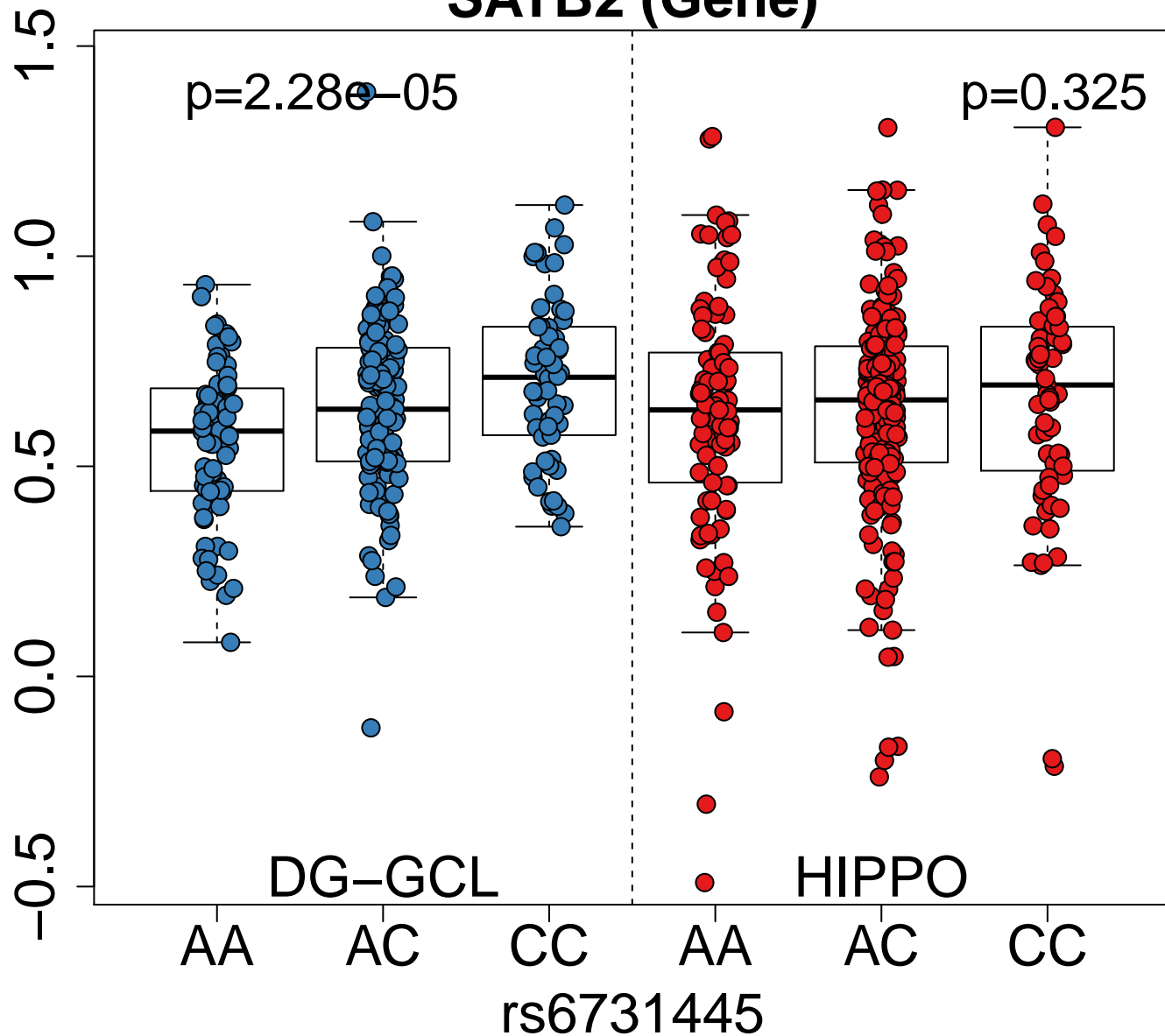
ENSG00000119042.16



Index: rs1451488 ($R^2=0.873$)

SATB2 (Gene)

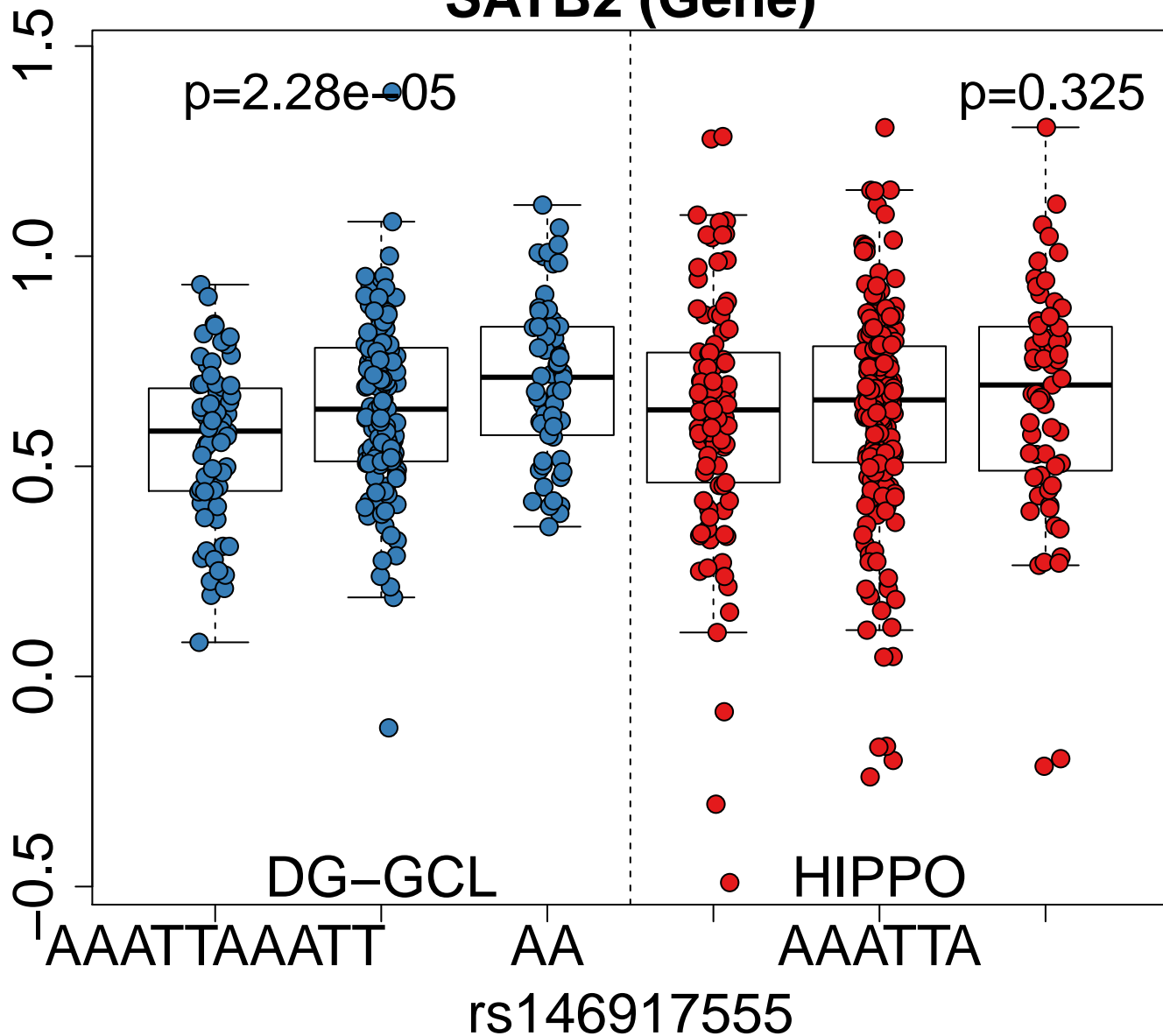
ENSG00000119042.16



Index: rs1451488 ($R^2=0.873$)

SATB2 (Gene)

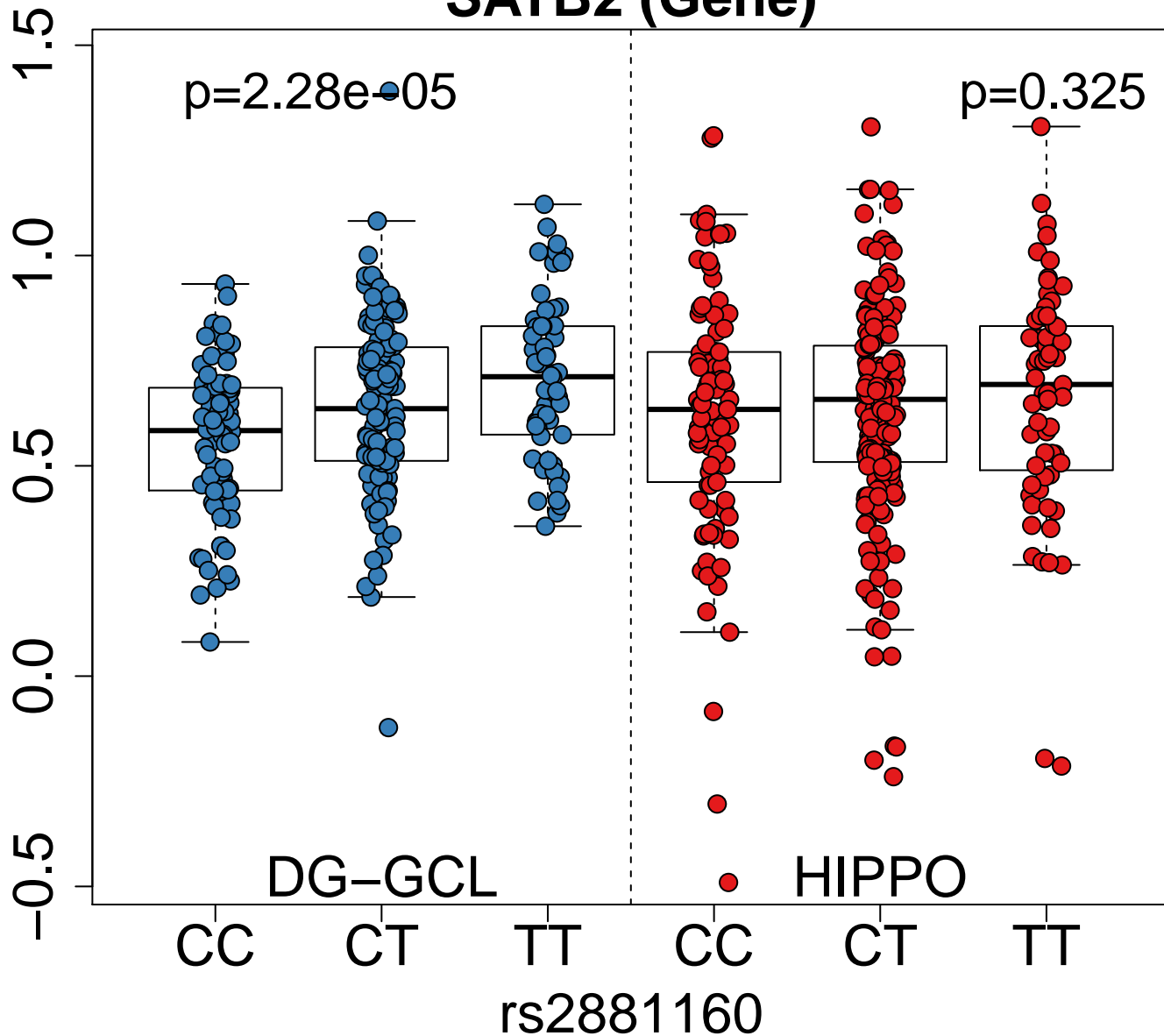
ENSG00000119042.16



Index: rs1451488 ($R^2=0.873$)

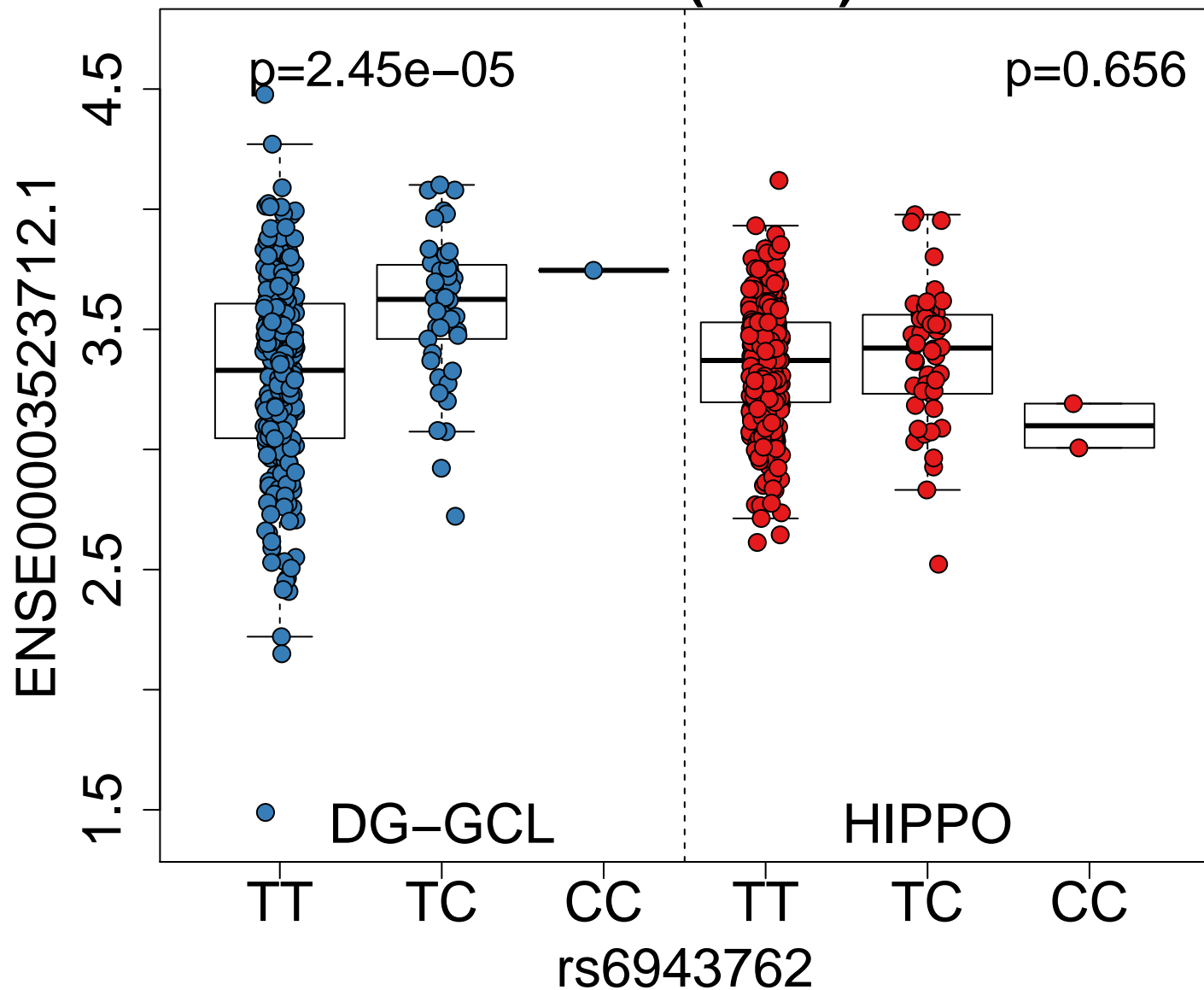
SATB2 (Gene)

ENSG00000119042.16



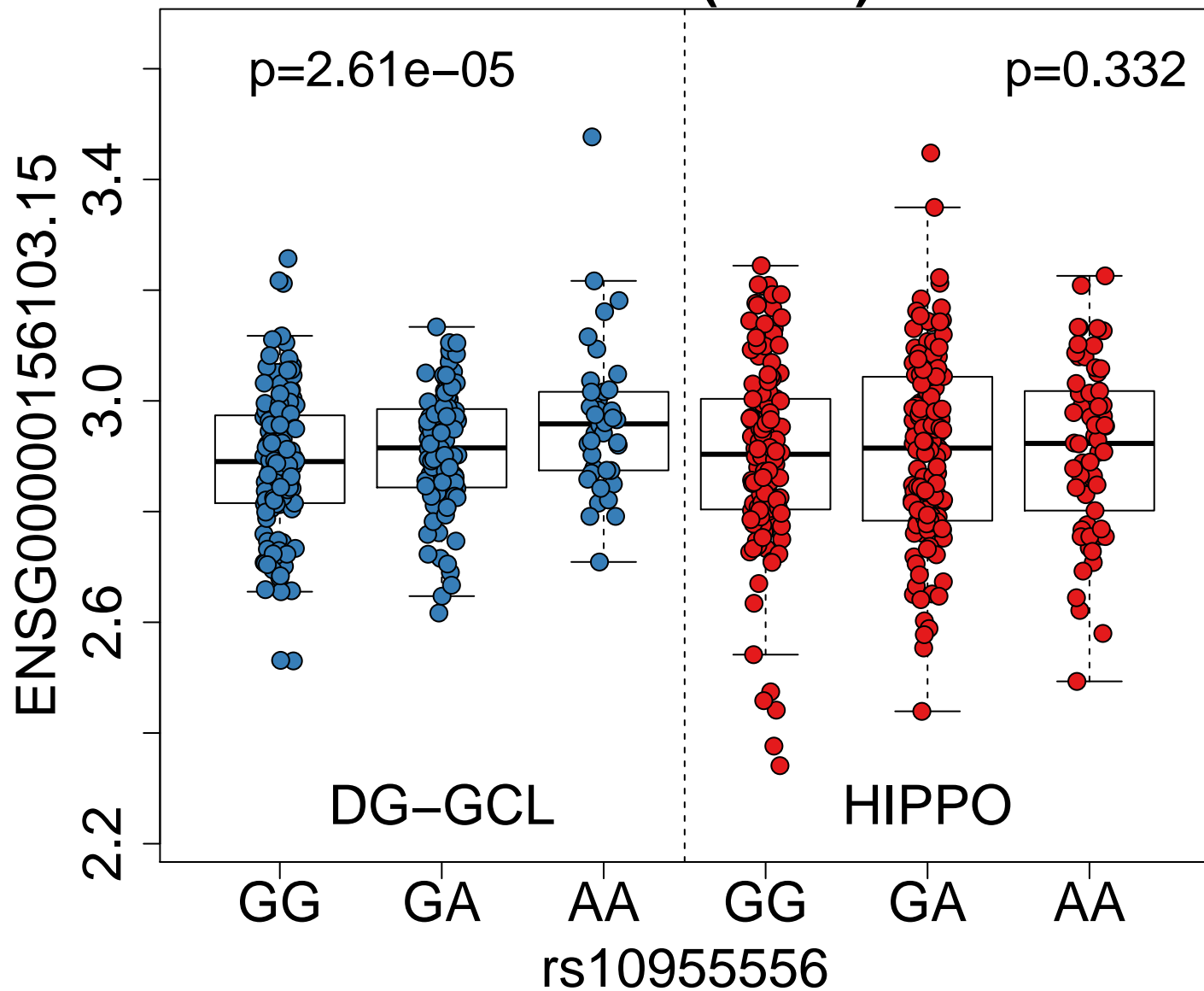
Index: rs12704290 ($R^2=0.817$)

GRM3 (Exon)



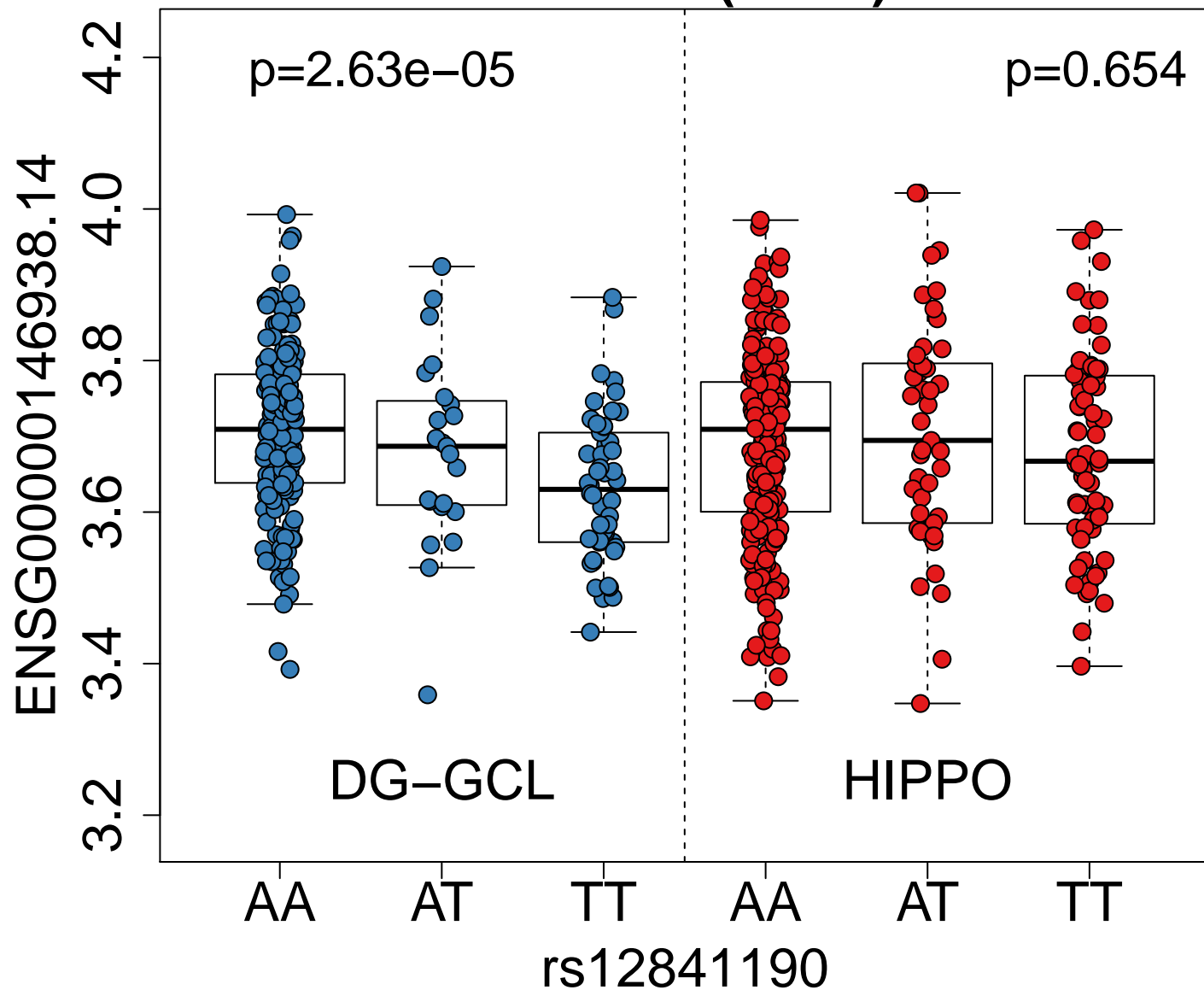
Index: rs7010876 ($R^2=0.848$)

MMP16 (Gene)



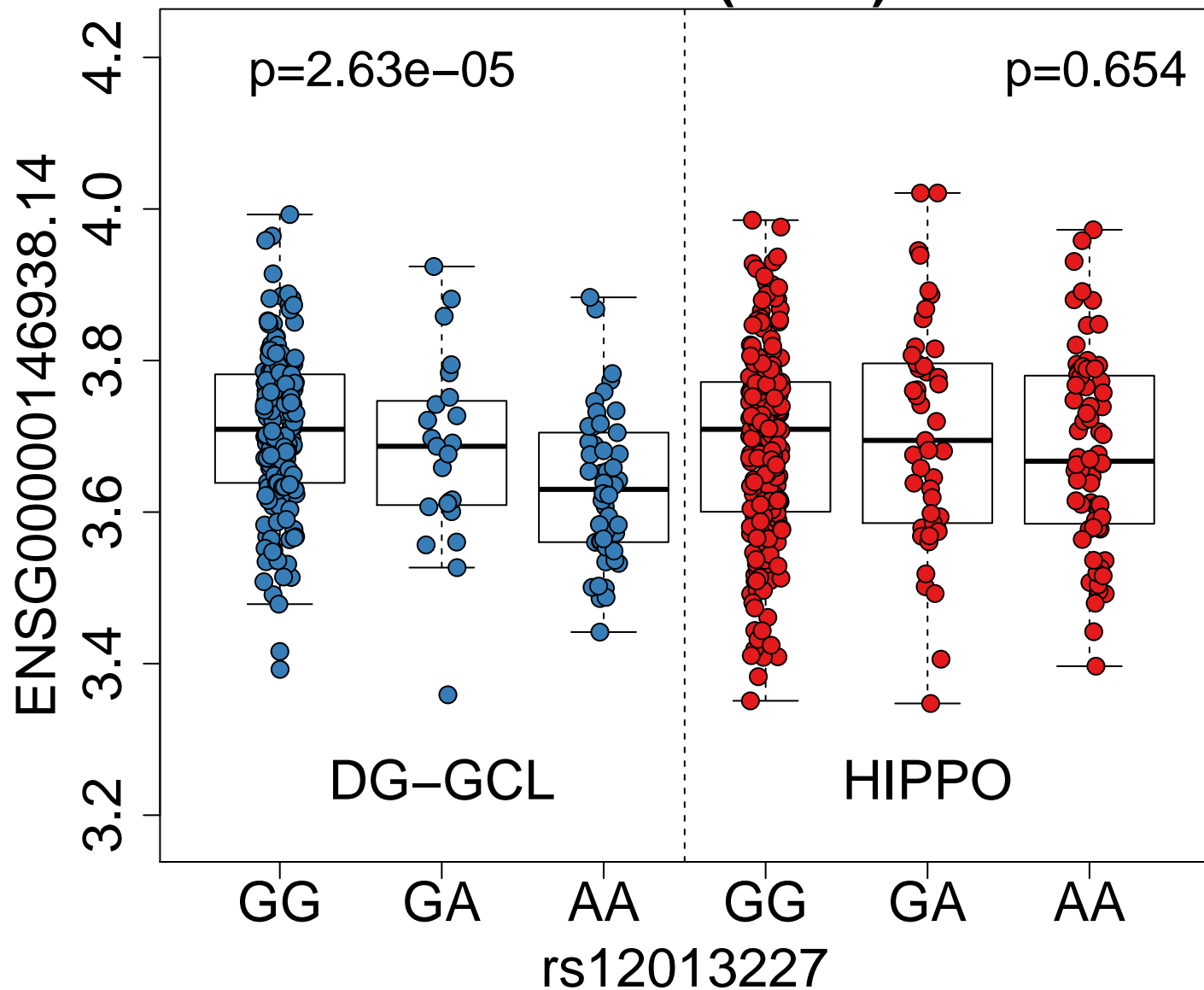
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Gene)



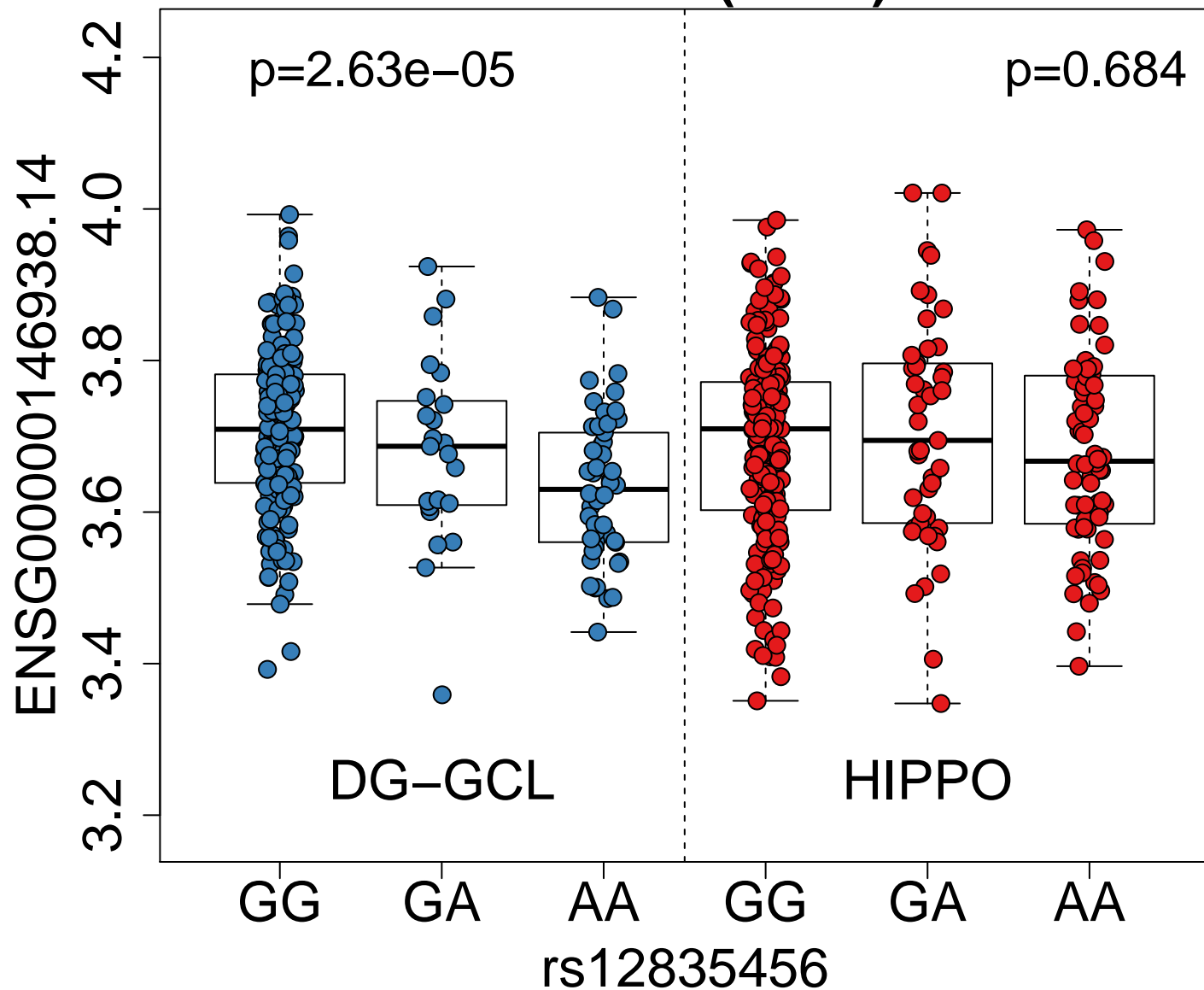
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Gene)



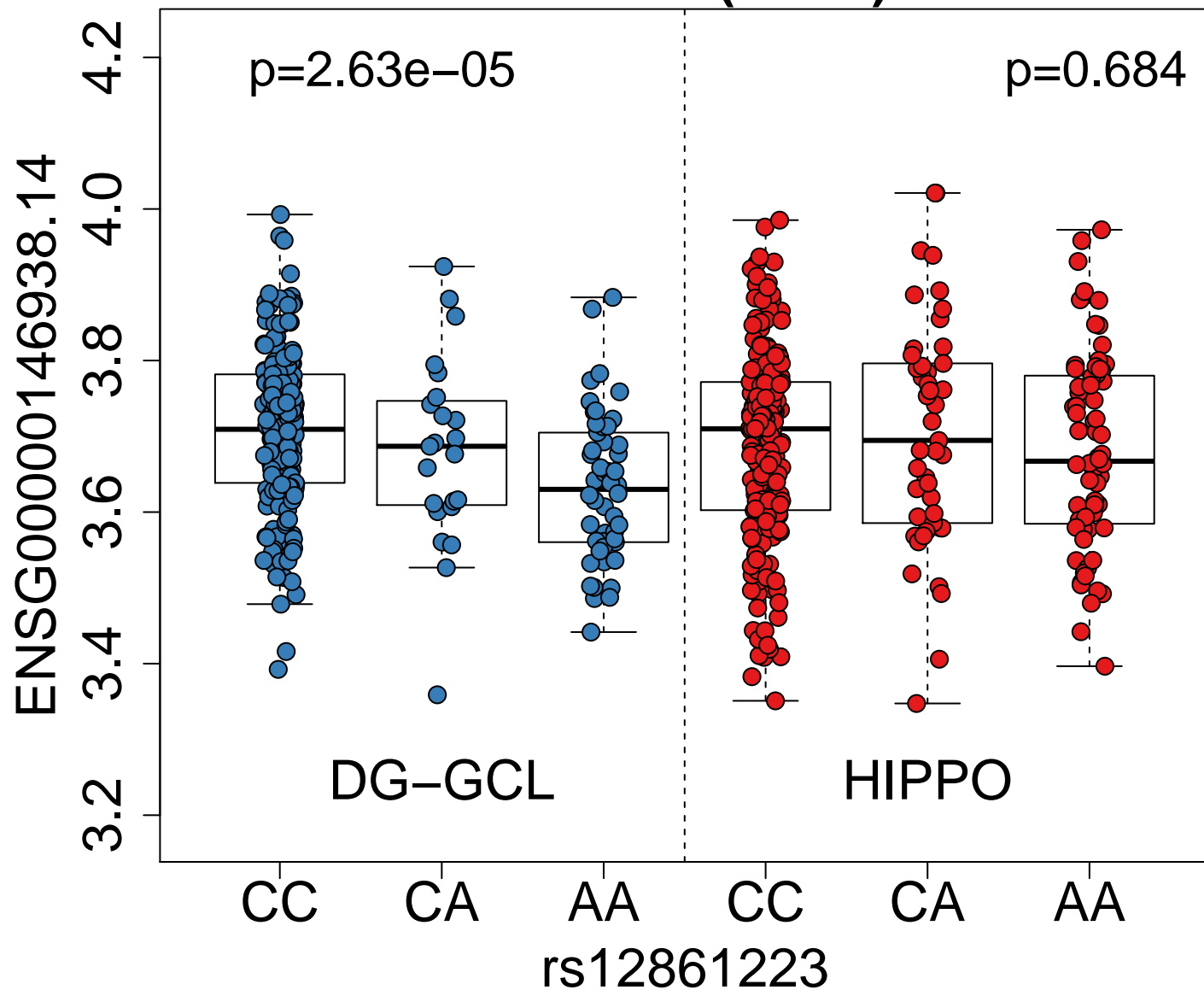
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Gene)

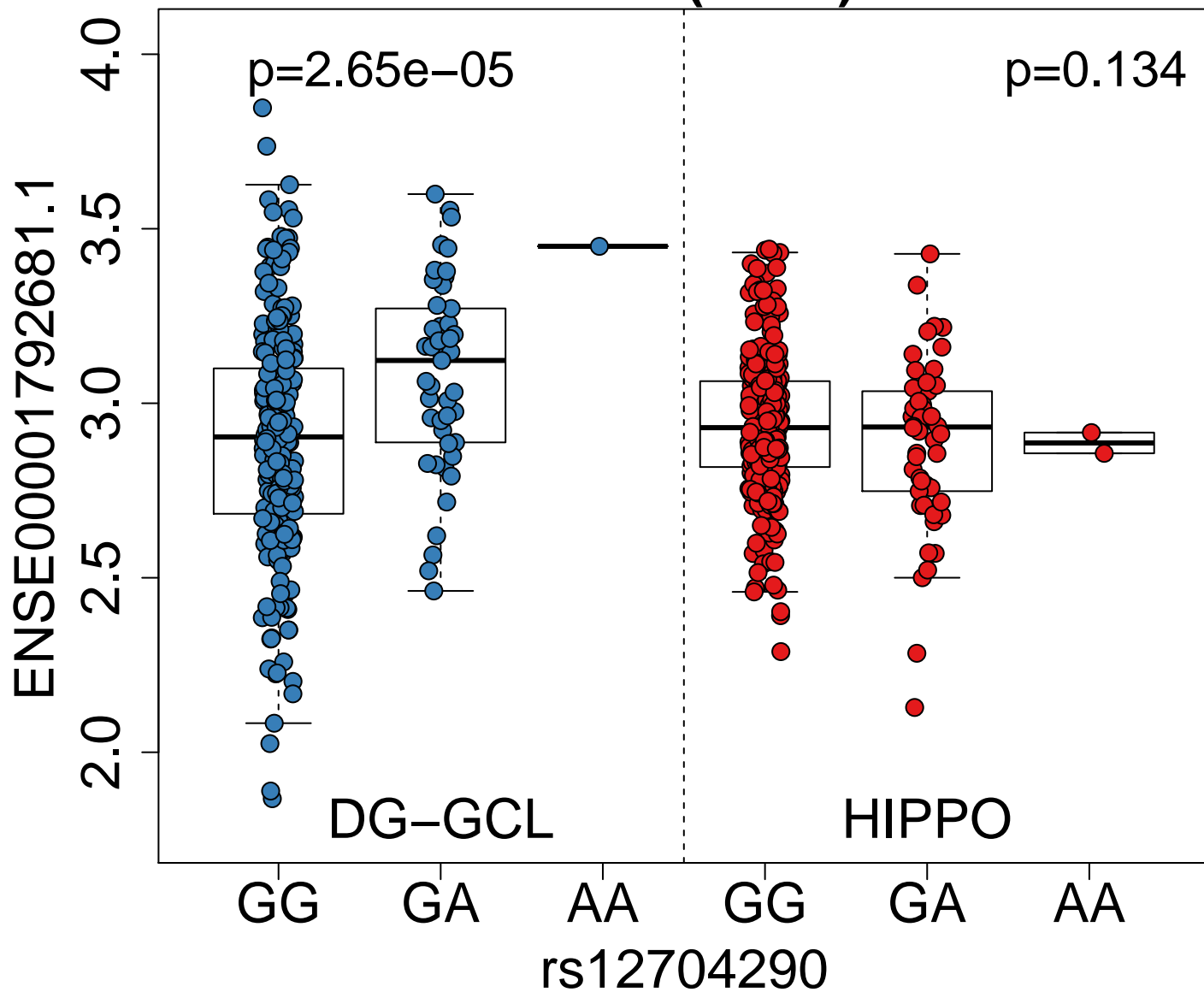


Index: rs12009217 ($R^2=0.983$)

NLGN4X (Gene)



Index: rs12704290 ($R^2=1$)
GRM3 (Exon)



Index: rs7010876 ($R^2=0.843$)

MMP16 (Tx)

ENST00000286614.10

$p=2.66e-05$

$p=0.549$

DG-GCL

HIPPO

TT

TA

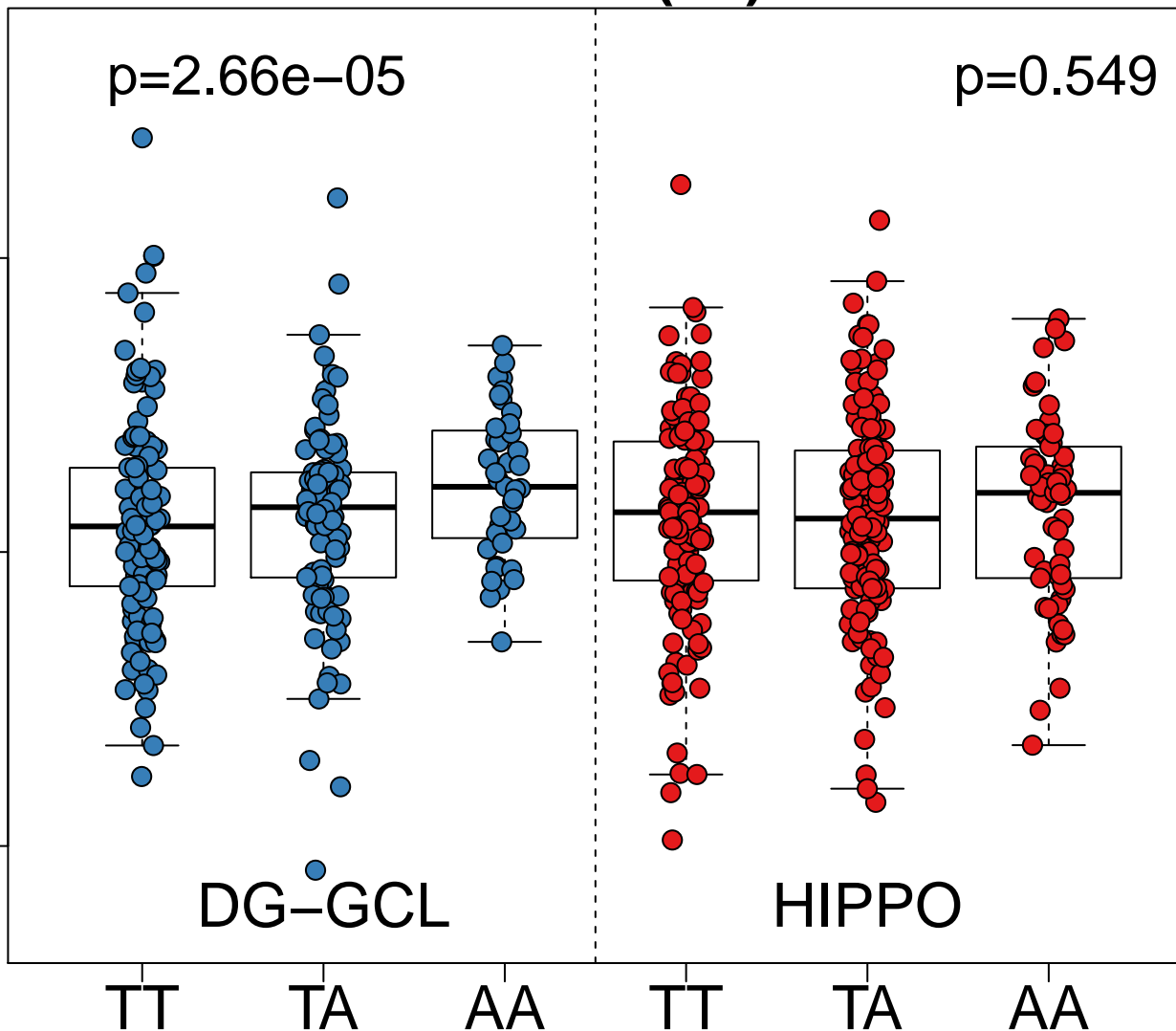
AA

TT

TA

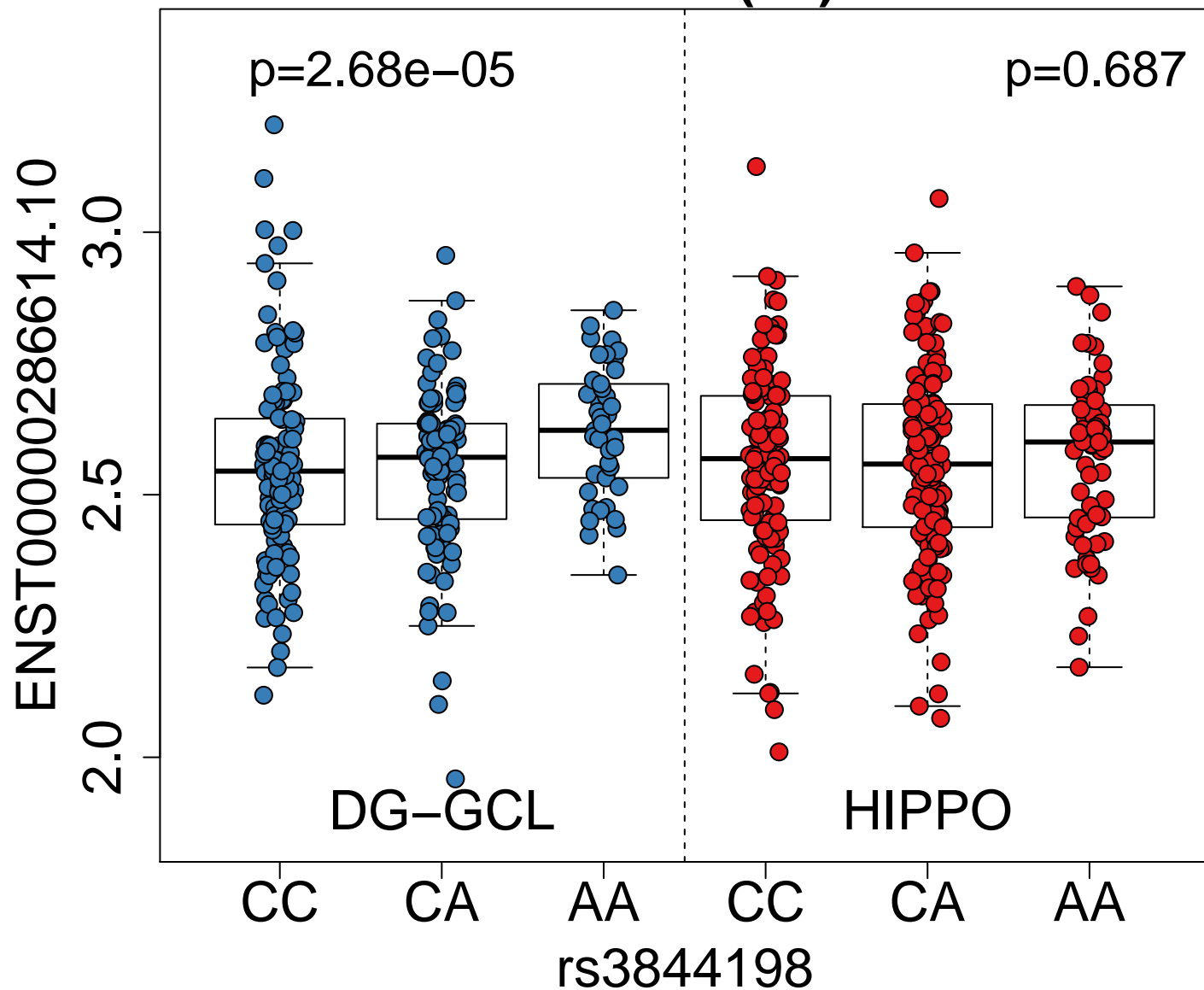
AA

rs1915017



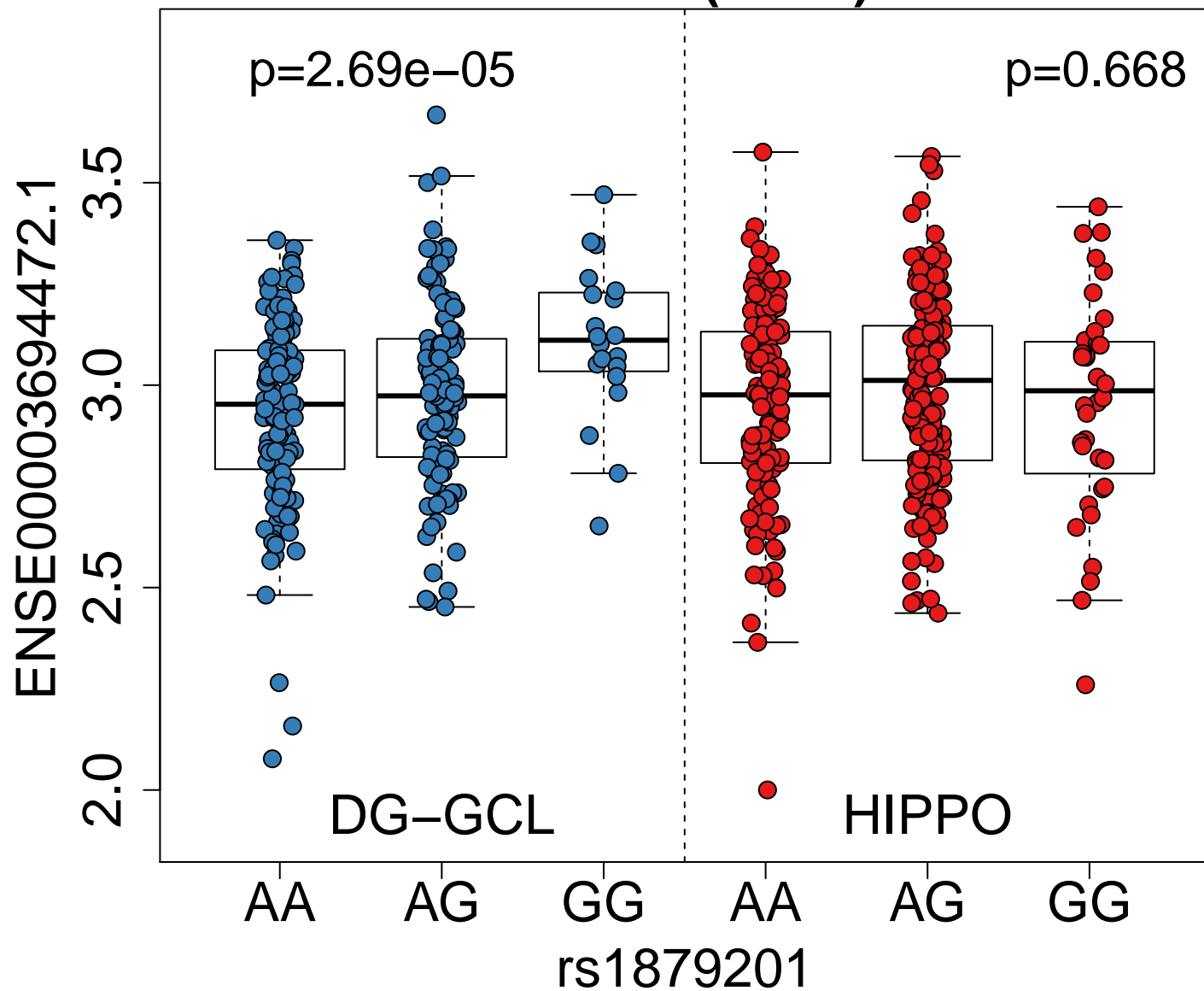
Index: rs7010876 ($R^2=0.848$)

MMP16 (Tx)



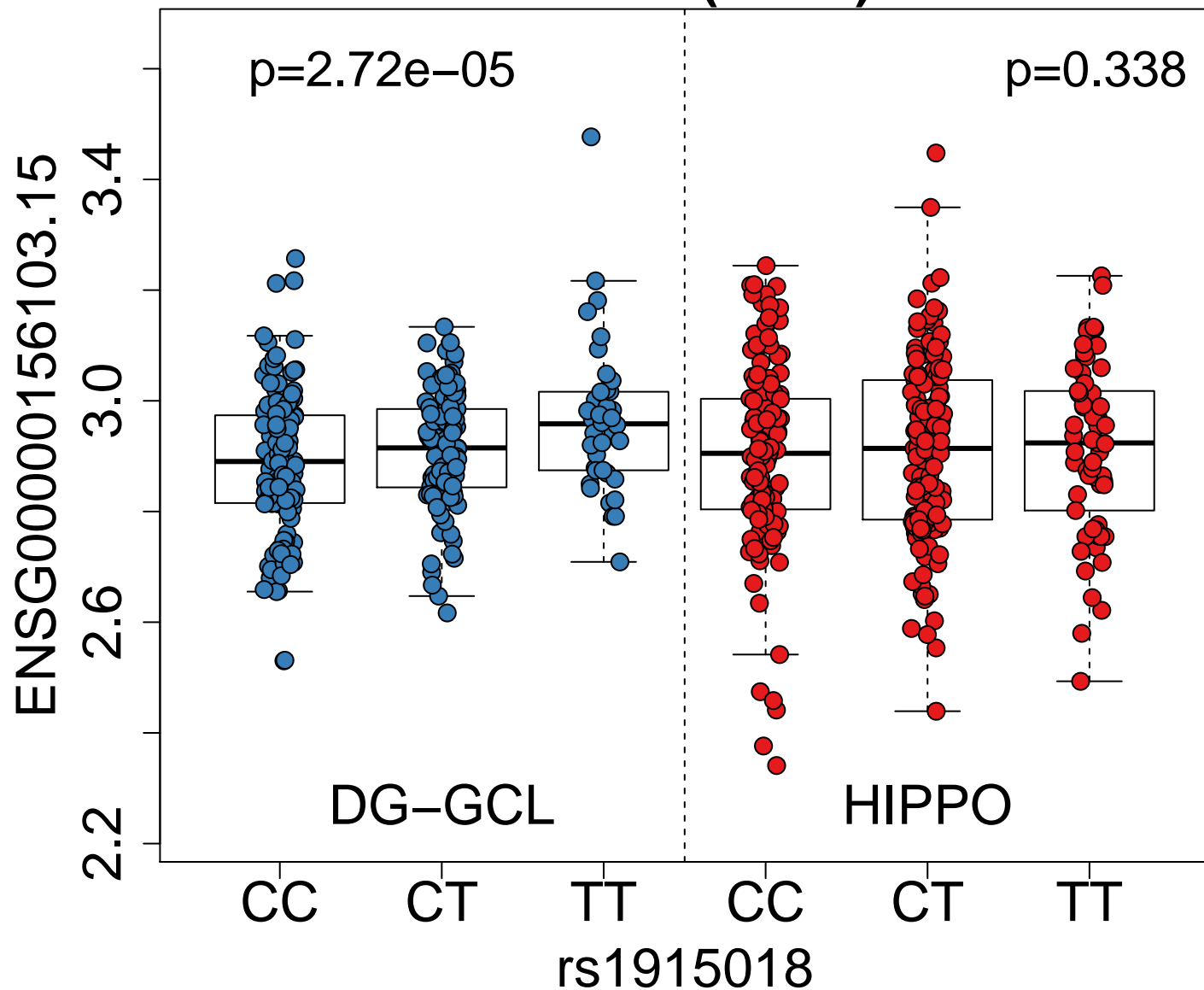
Index: rs7010876 ($R^2=0.858$)

MMP16 (Exon)



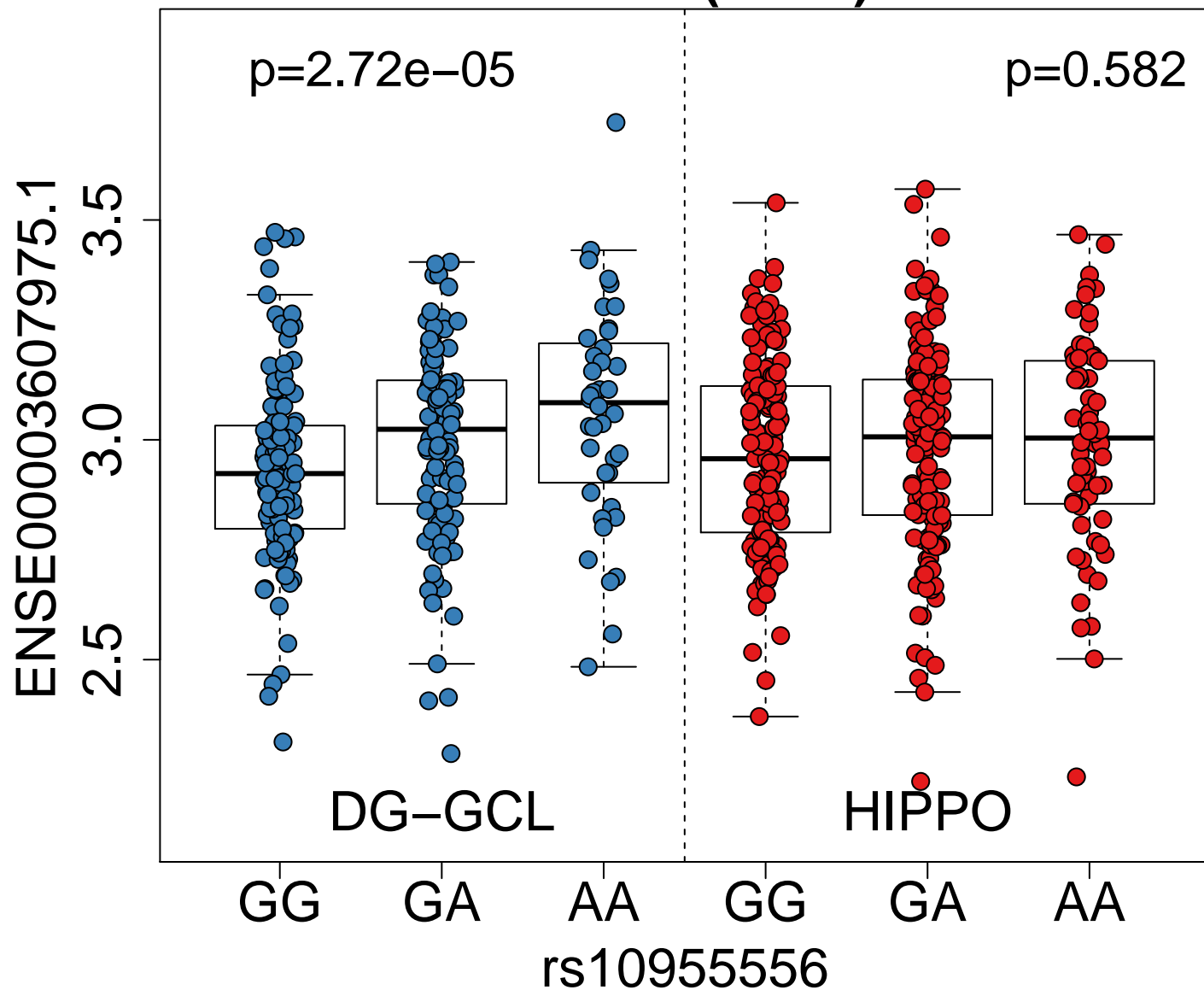
Index: rs7010876 ($R^2=0.843$)

MMP16 (Gene)



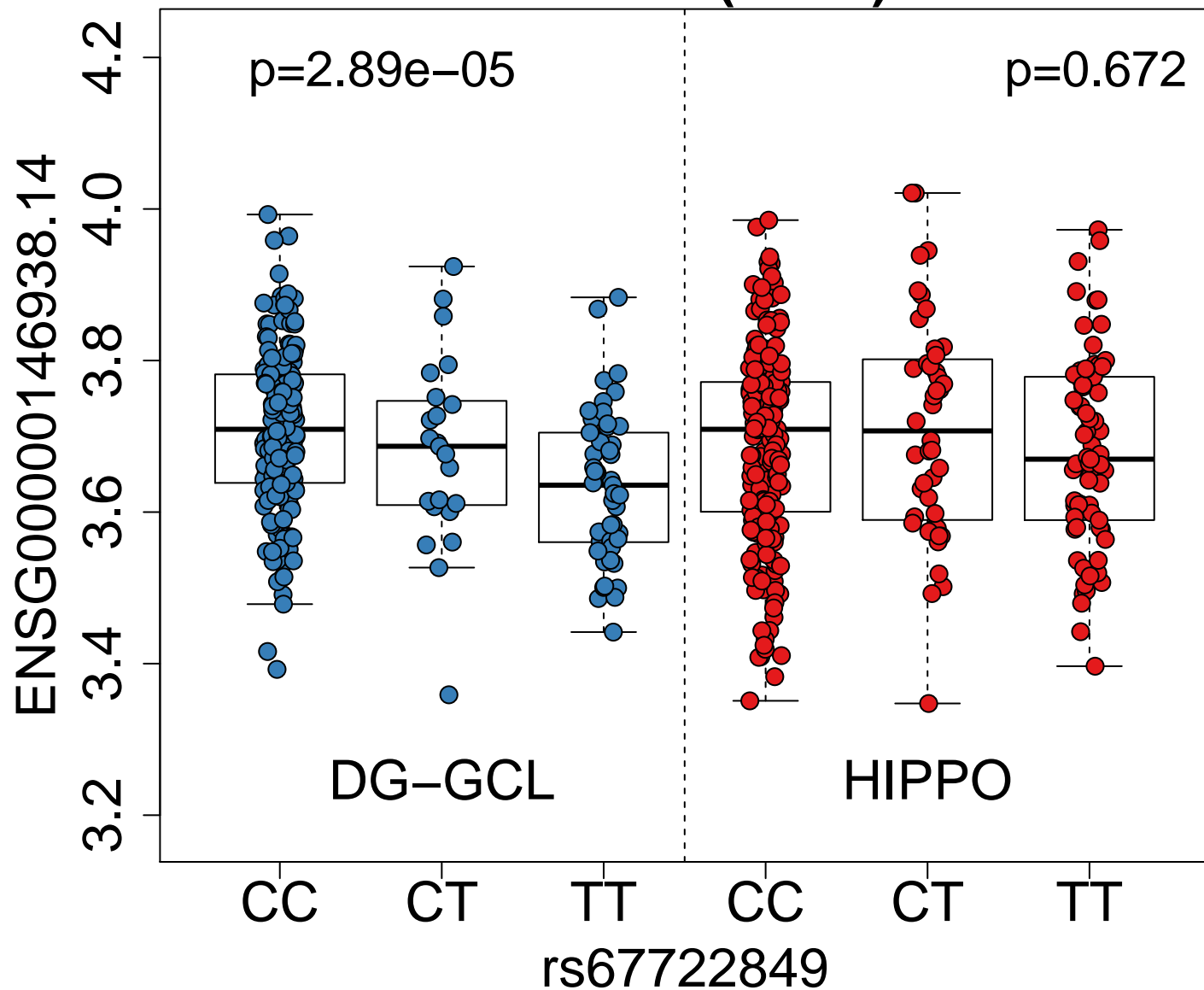
Index: rs7010876 ($R^2=0.848$)

MMP16 (Exon)



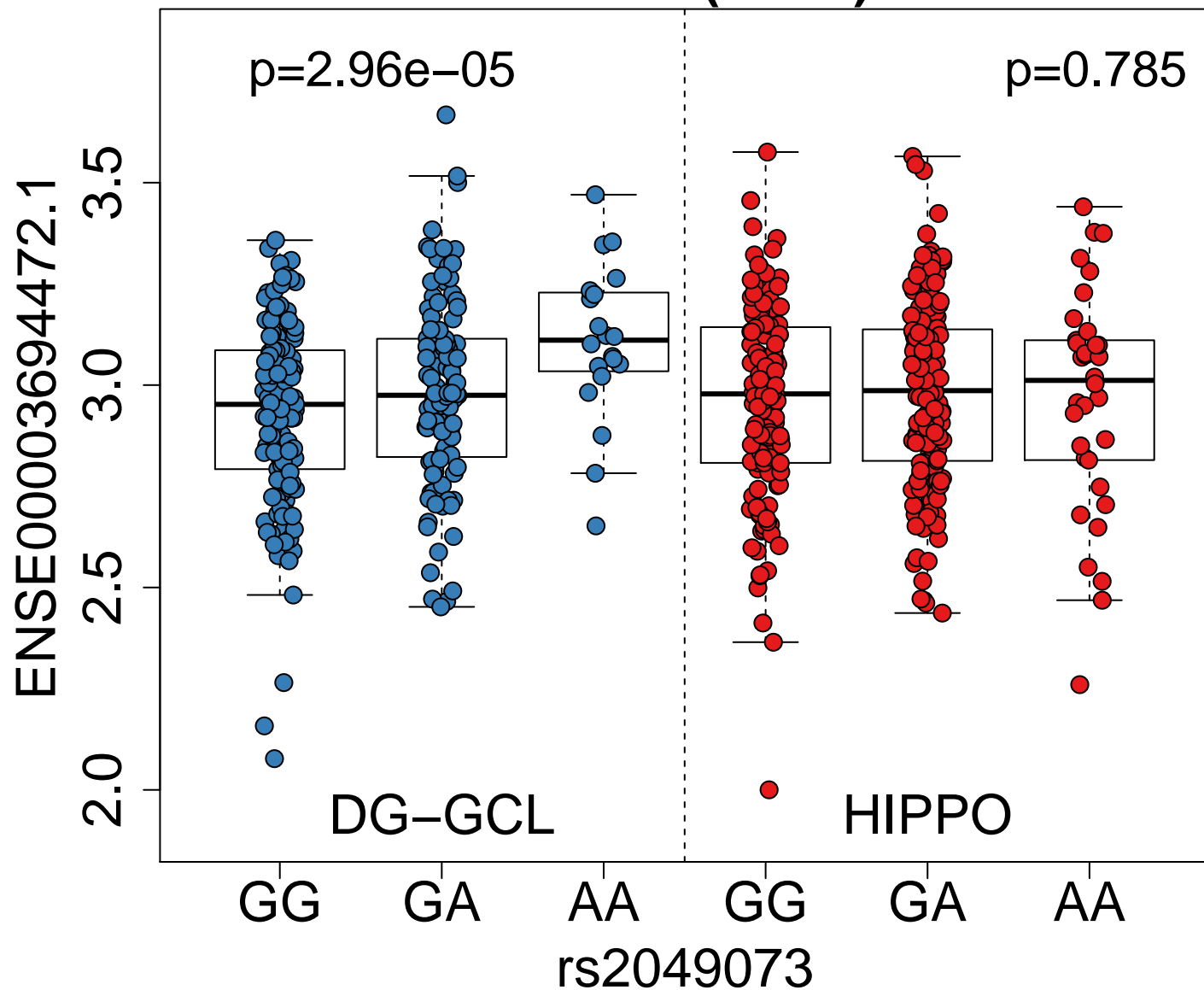
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Gene)



Index: rs7010876 ($R^2=0.863$)

MMP16 (Exon)



Index: rs7010876 ($R^2=0.843$)

MMP16 (Exon)

ENSE00003607975.1

2.5 3.0 3.5

$p=2.99e-05$

$p=0.54$

DG-GCL

HIPPO

CC

CT

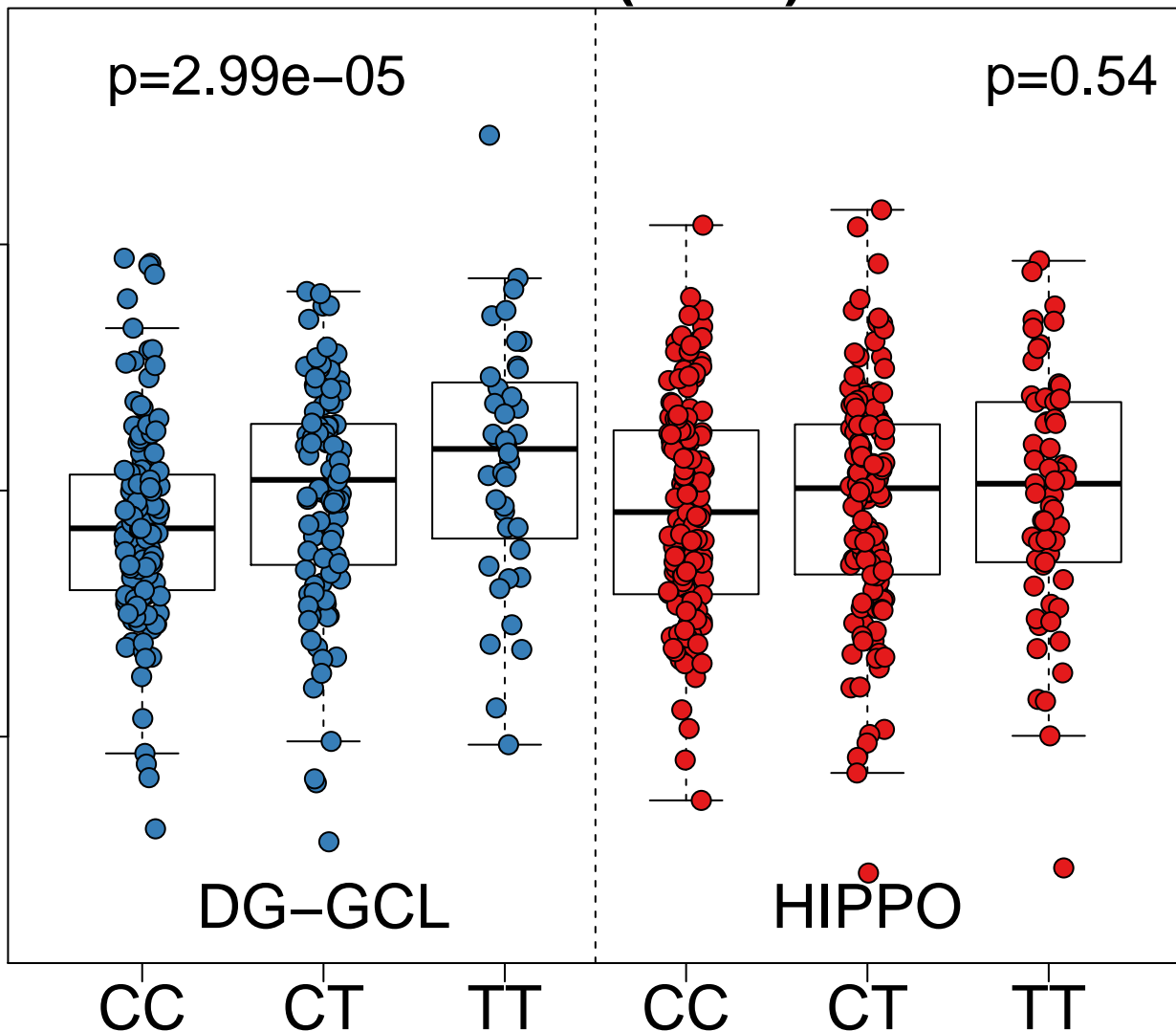
TT

CC

CT

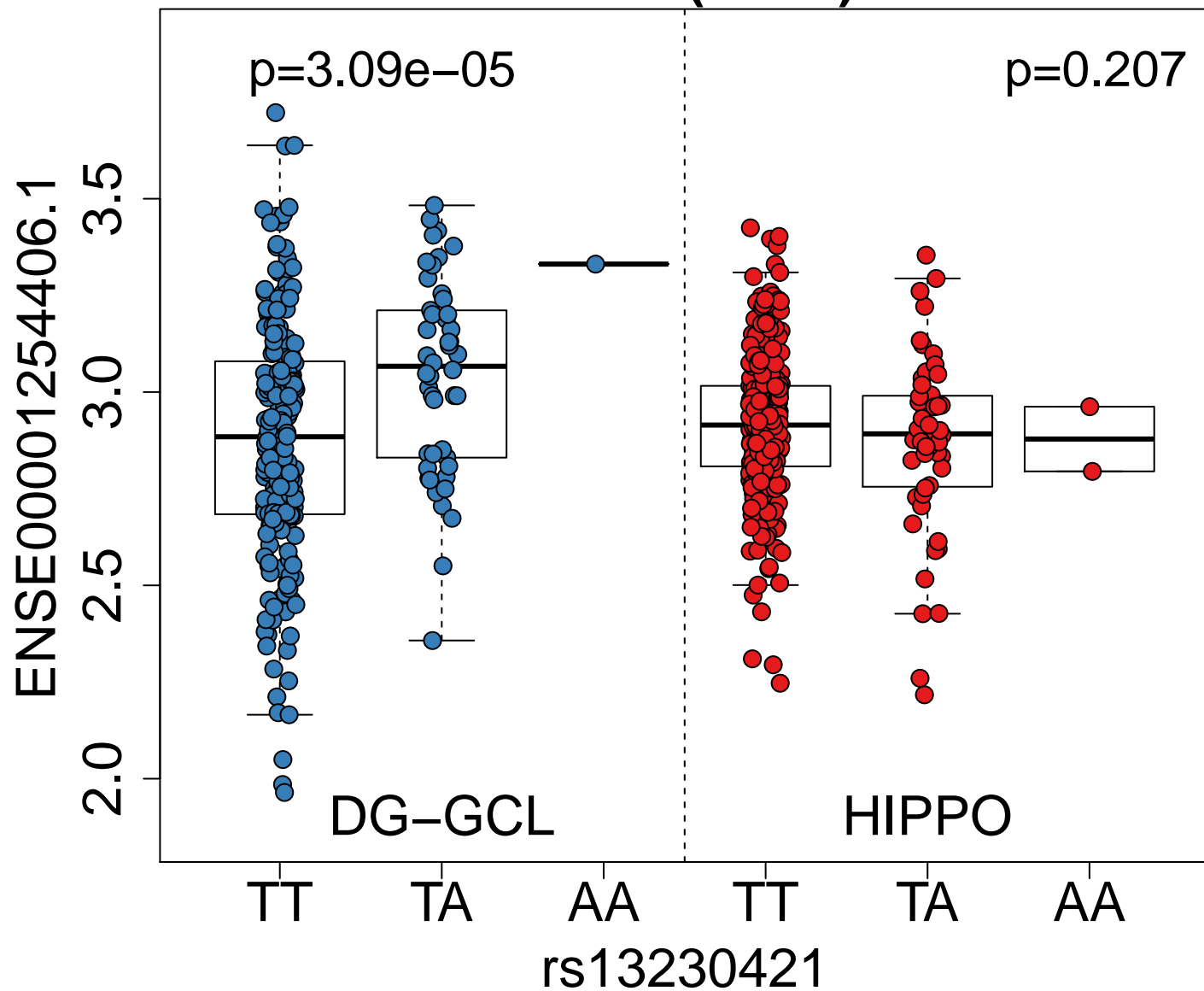
TT

rs1915018



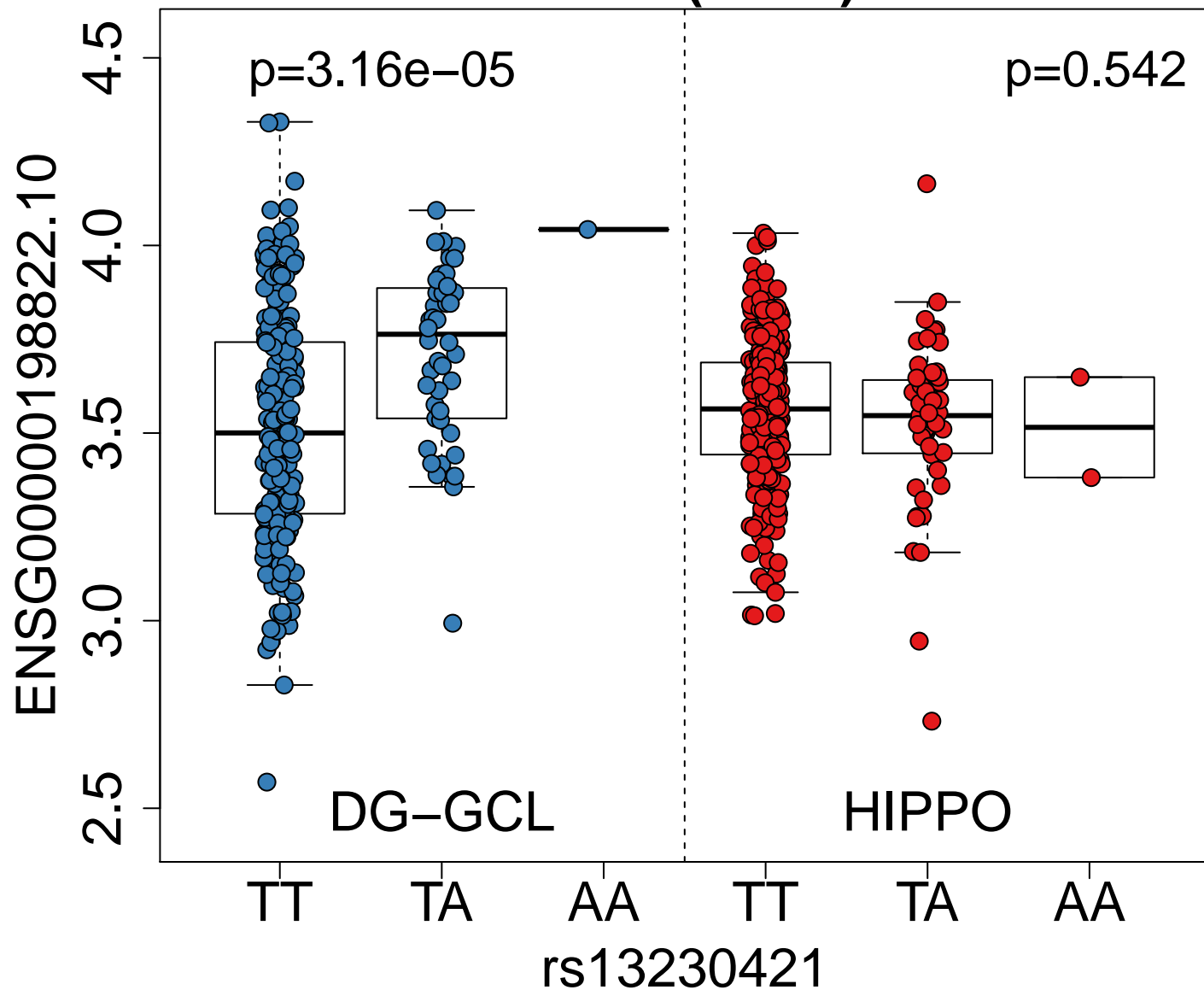
Index: rs12704290 ($R^2=0.968$)

GRM3 (Exon)



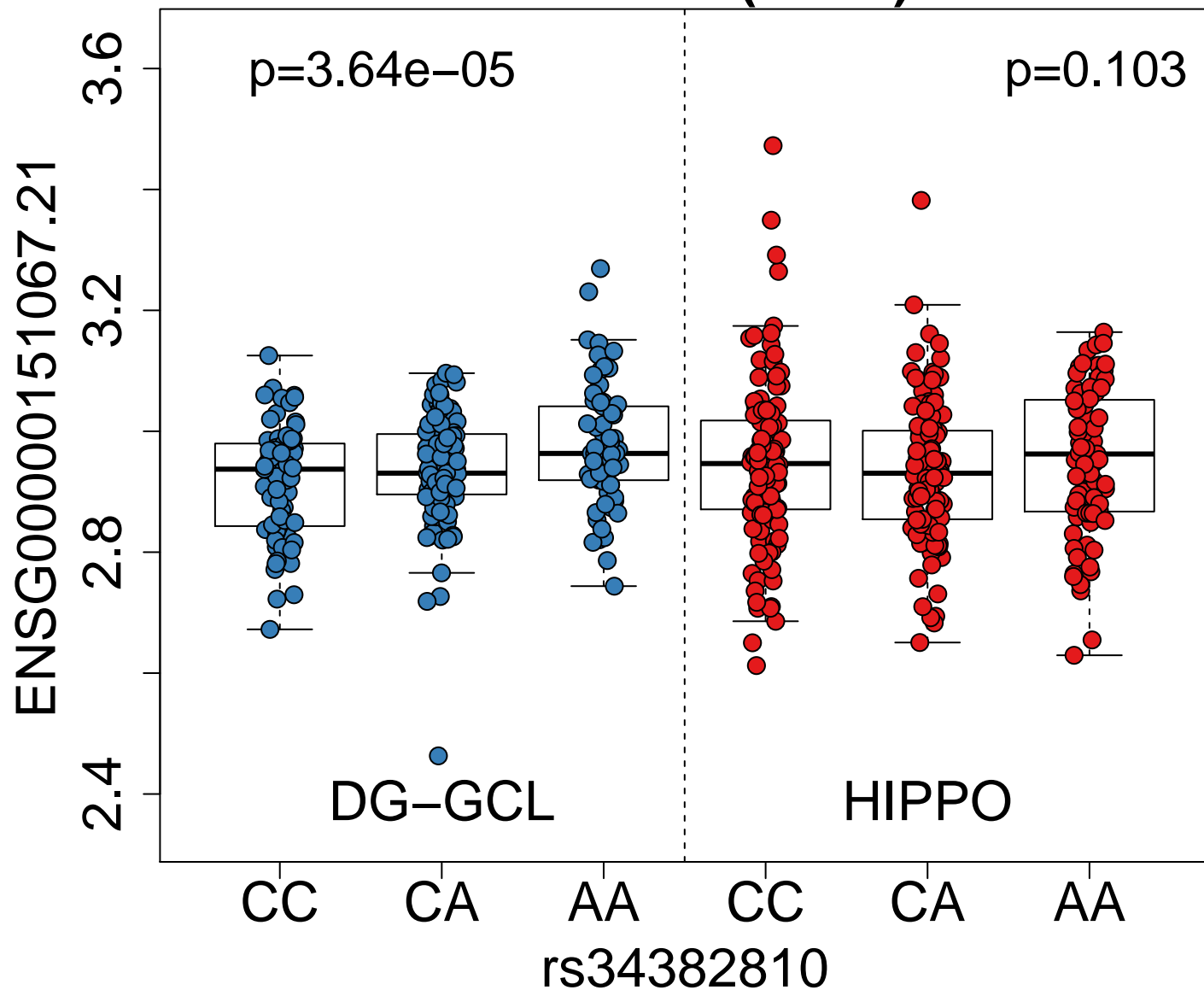
Index: rs12704290 ($R^2=0.968$)

GRM3 (Gene)

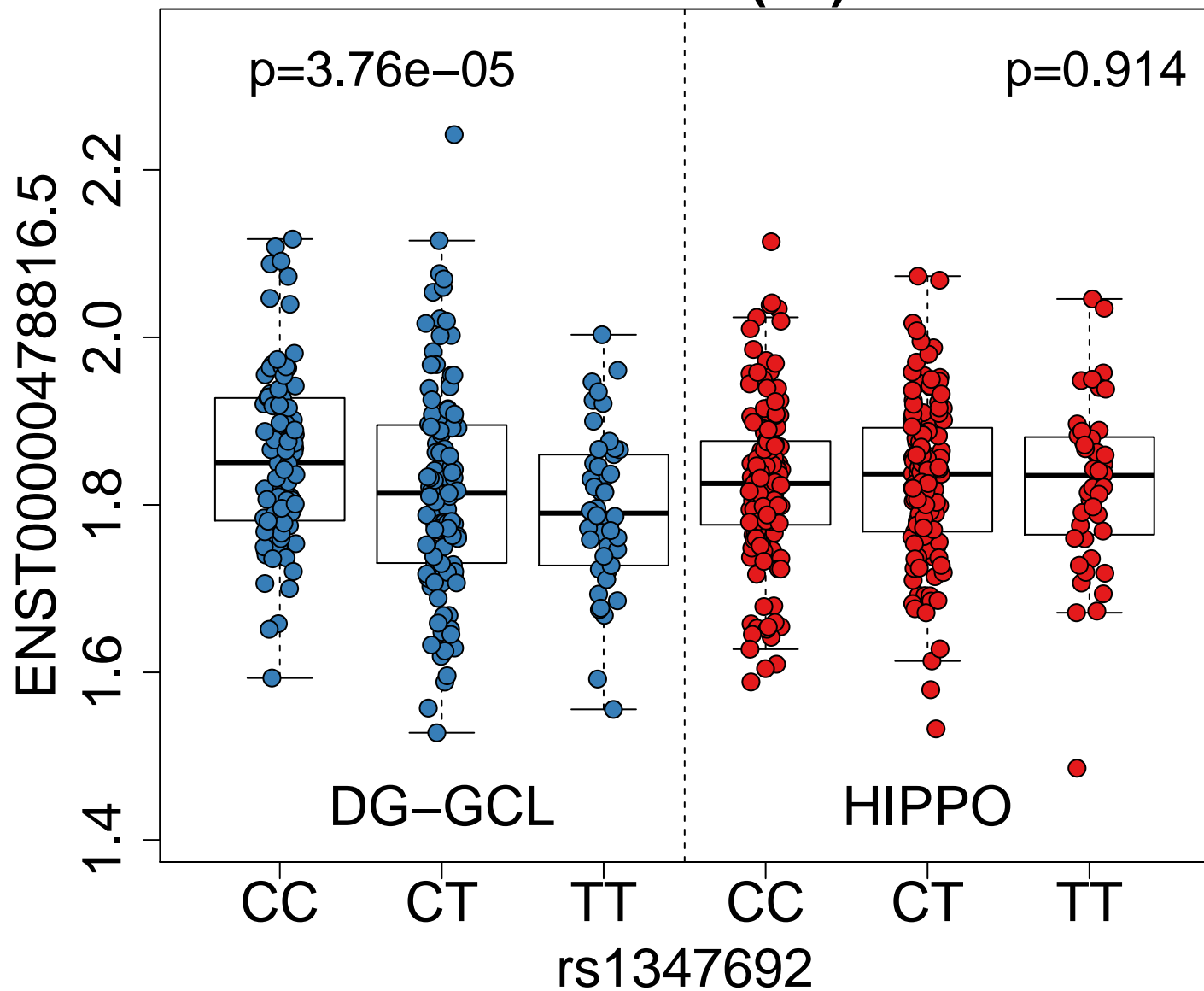


Index: rs2007044 ($R^2=0.821$)

CACNA1C (Gene)

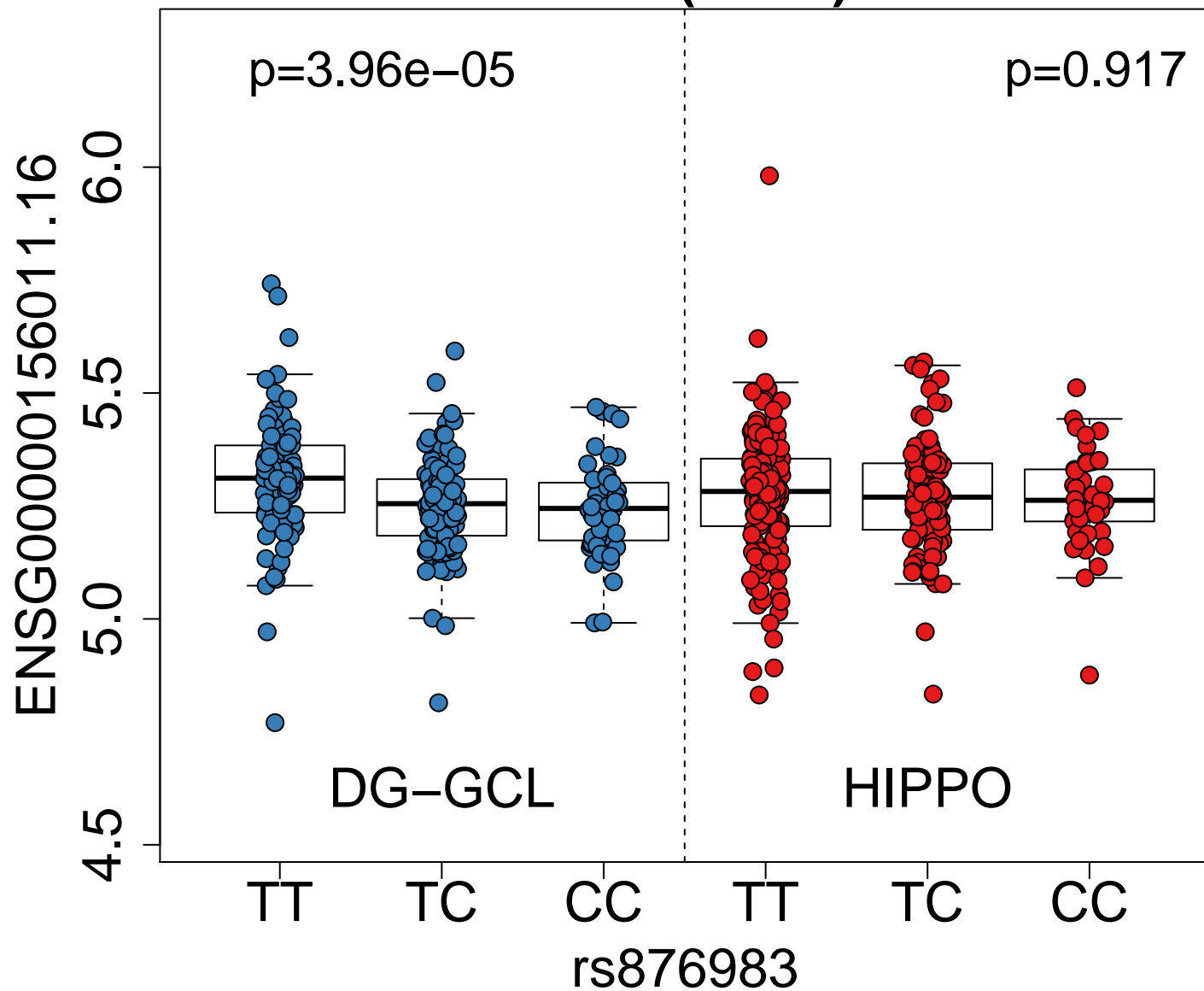


Index: rs1347692 ($R^2=1$)
KCTD18 (Tx)



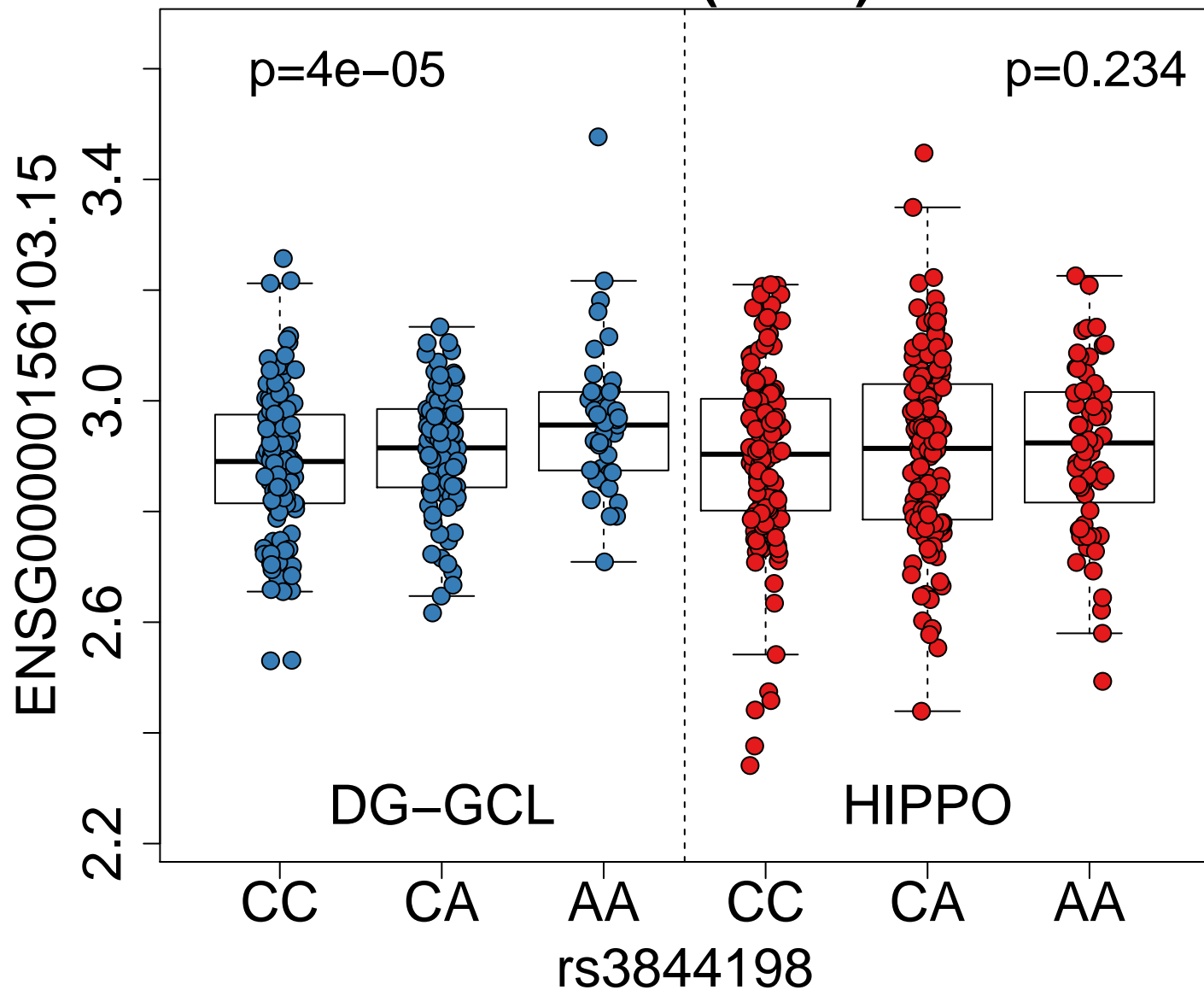
Index: rs2410572 ($R^2=0.844$)

PSD3 (Gene)



Index: rs7010876 ($R^2=0.848$)

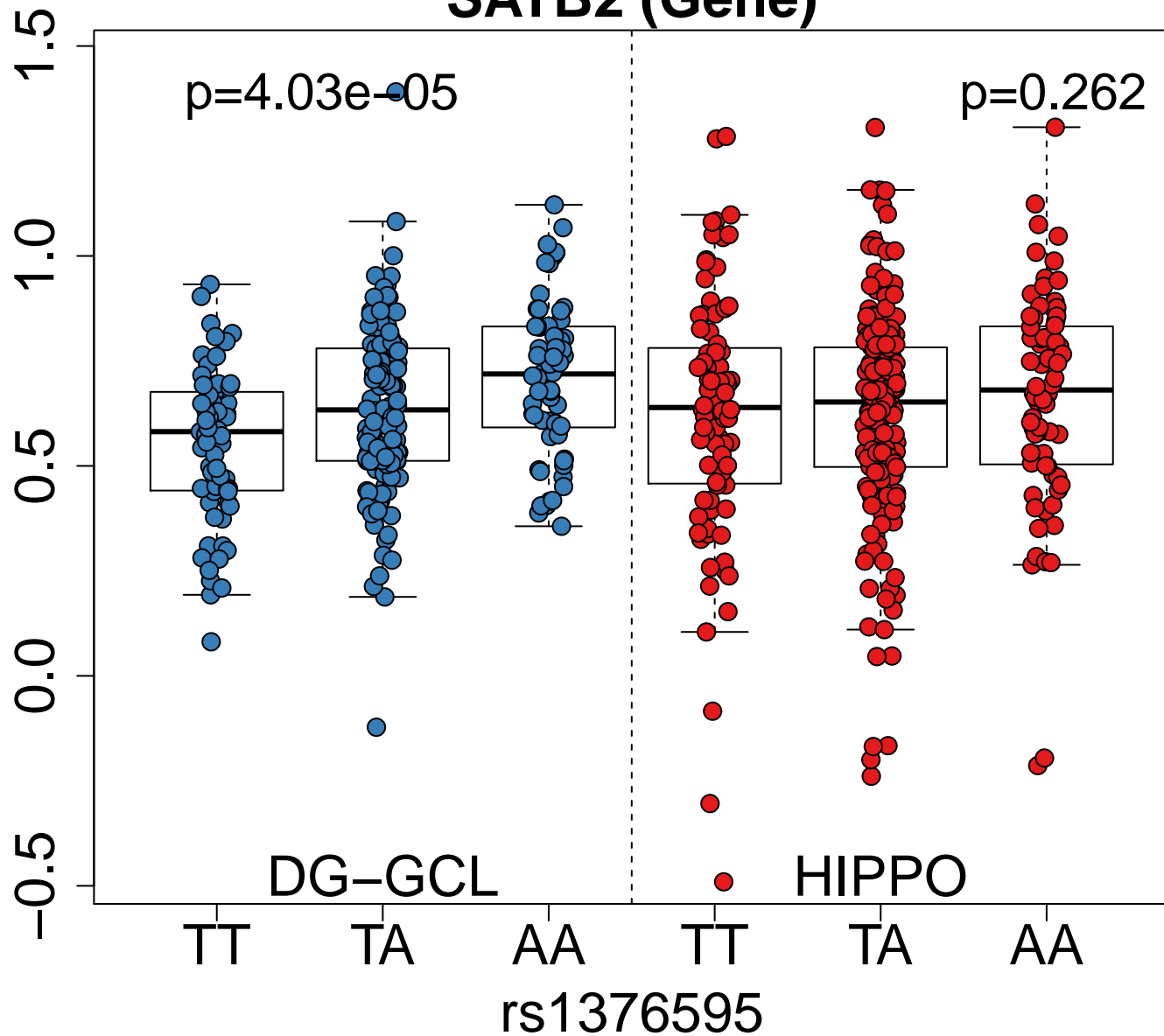
MMP16 (Gene)



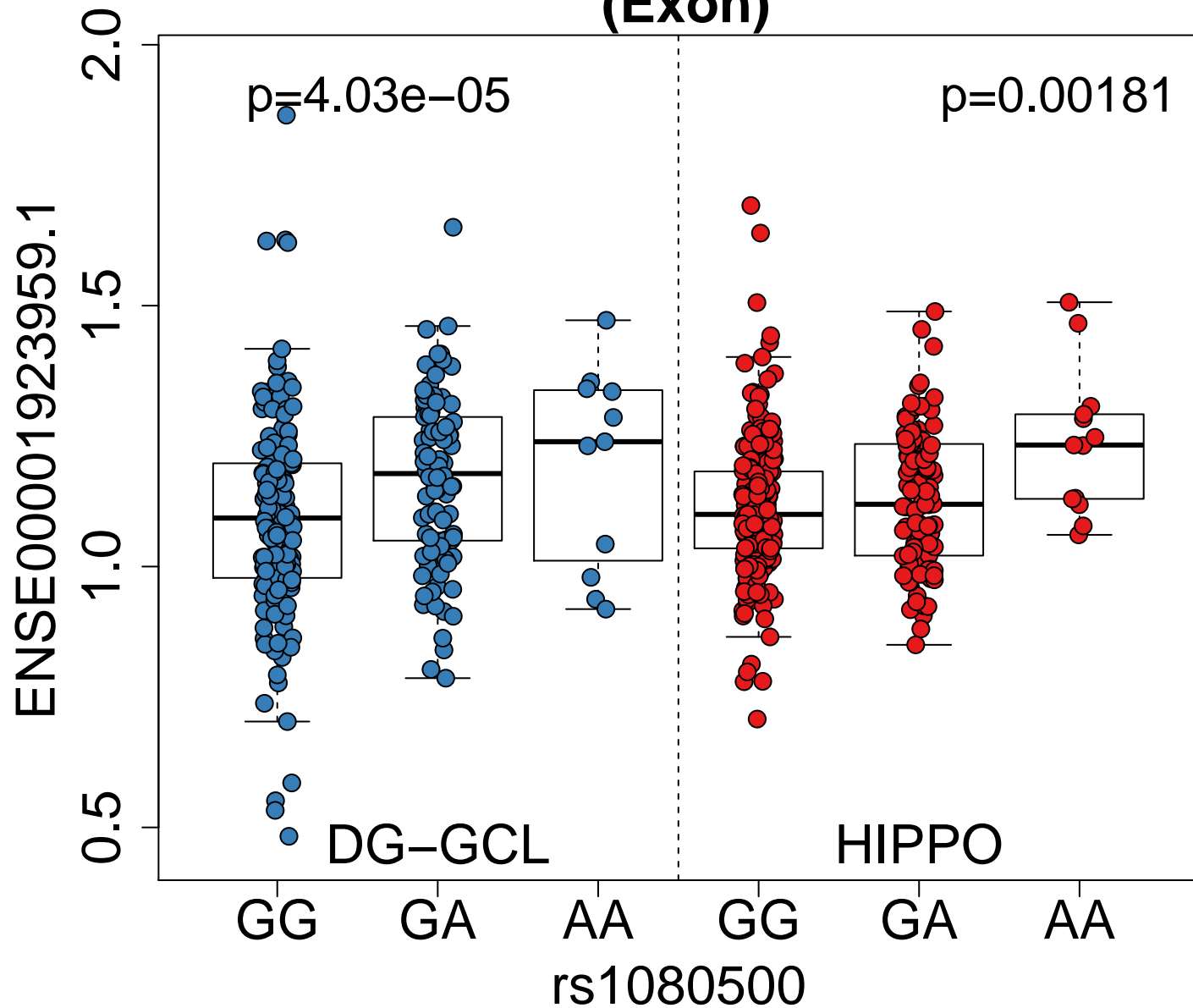
Index: rs1451488 ($R^2=0.876$)

SATB2 (Gene)

ENSG00000119042.16



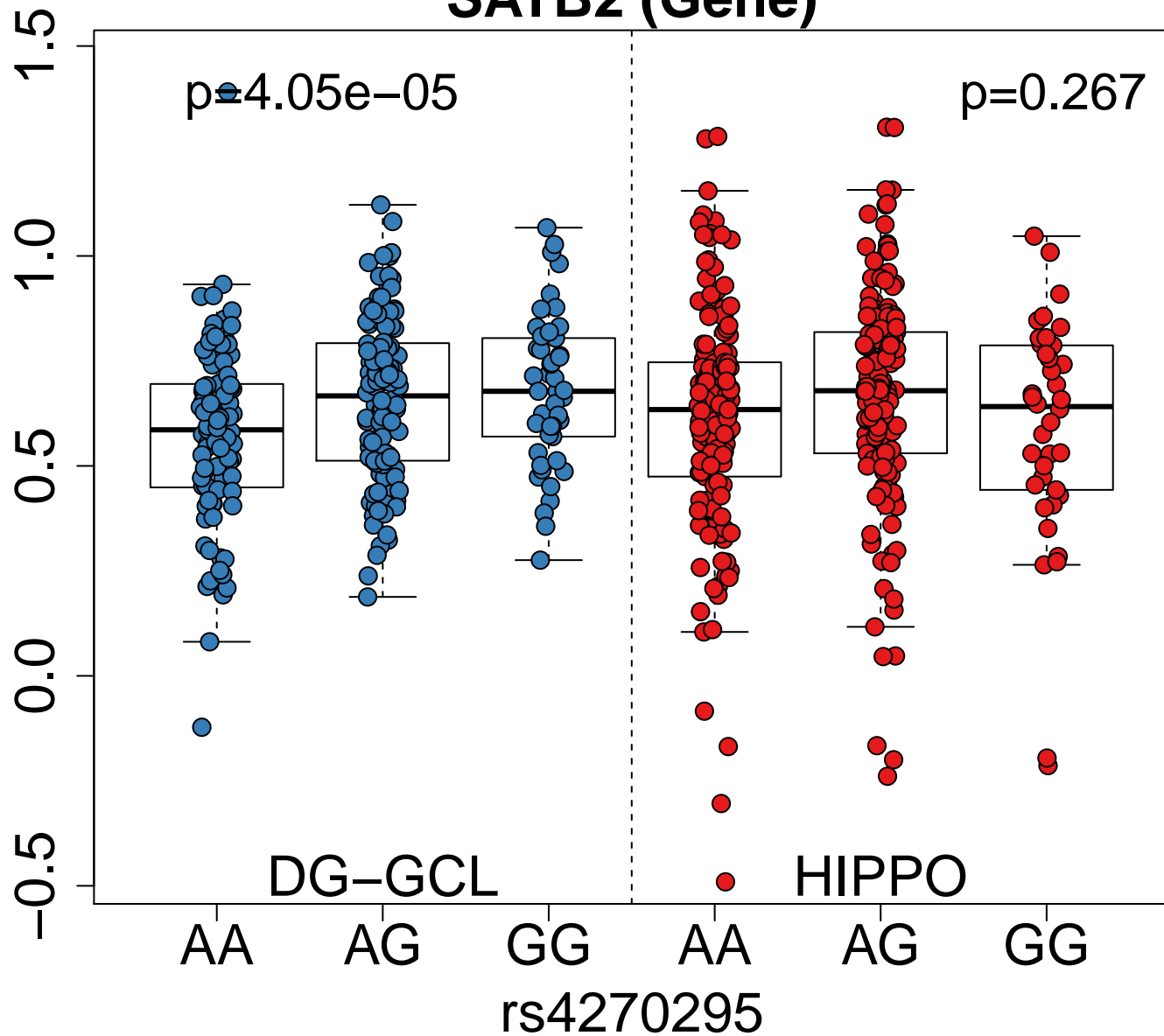
Index: rs1080500 ($R^2=1$)
(Exon)



Index: rs1451488 ($R^2=0.907$)

SATB2 (Gene)

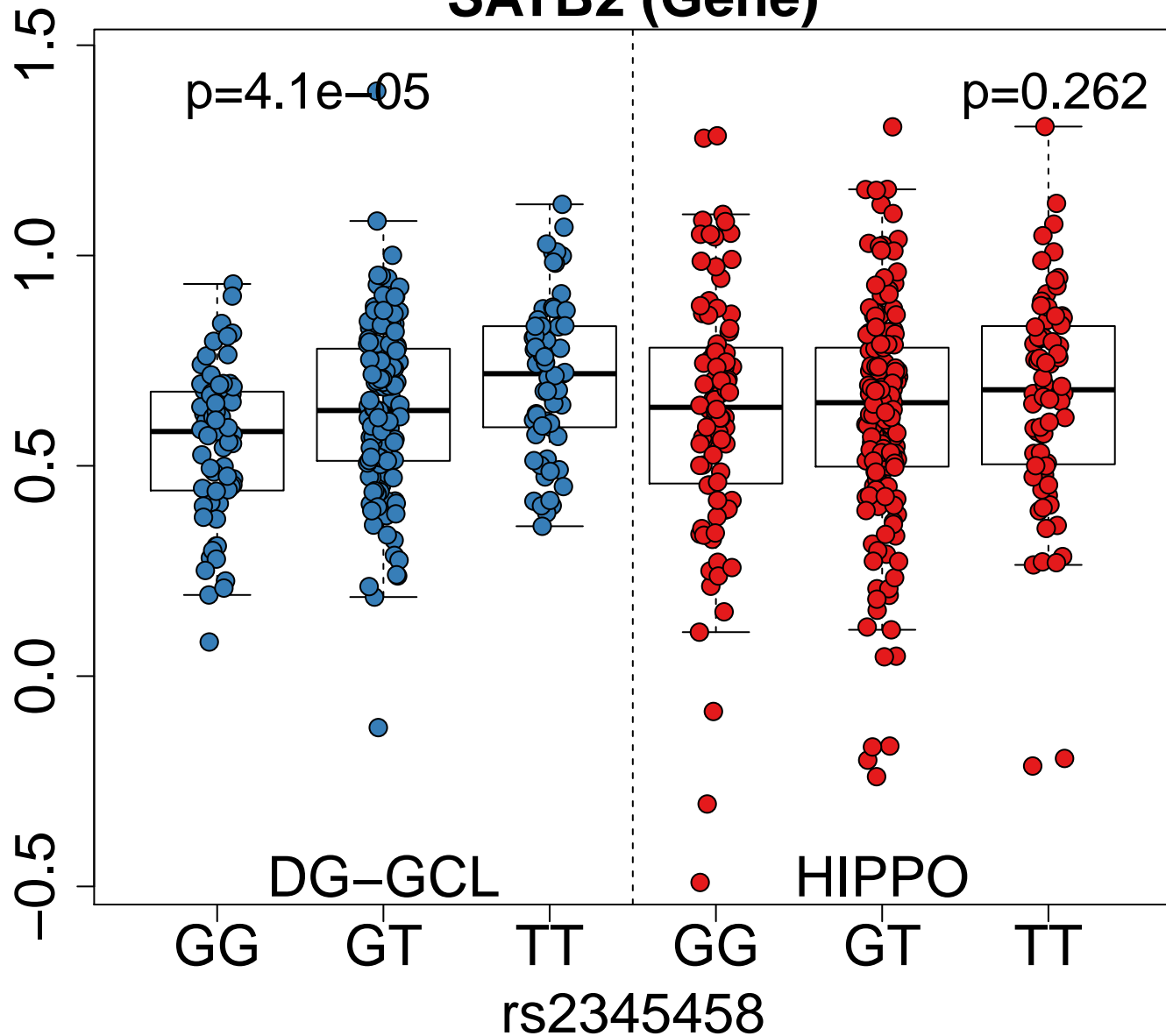
ENSG00000119042.16



Index: rs1451488 ($R^2=0.88$)

SATB2 (Gene)

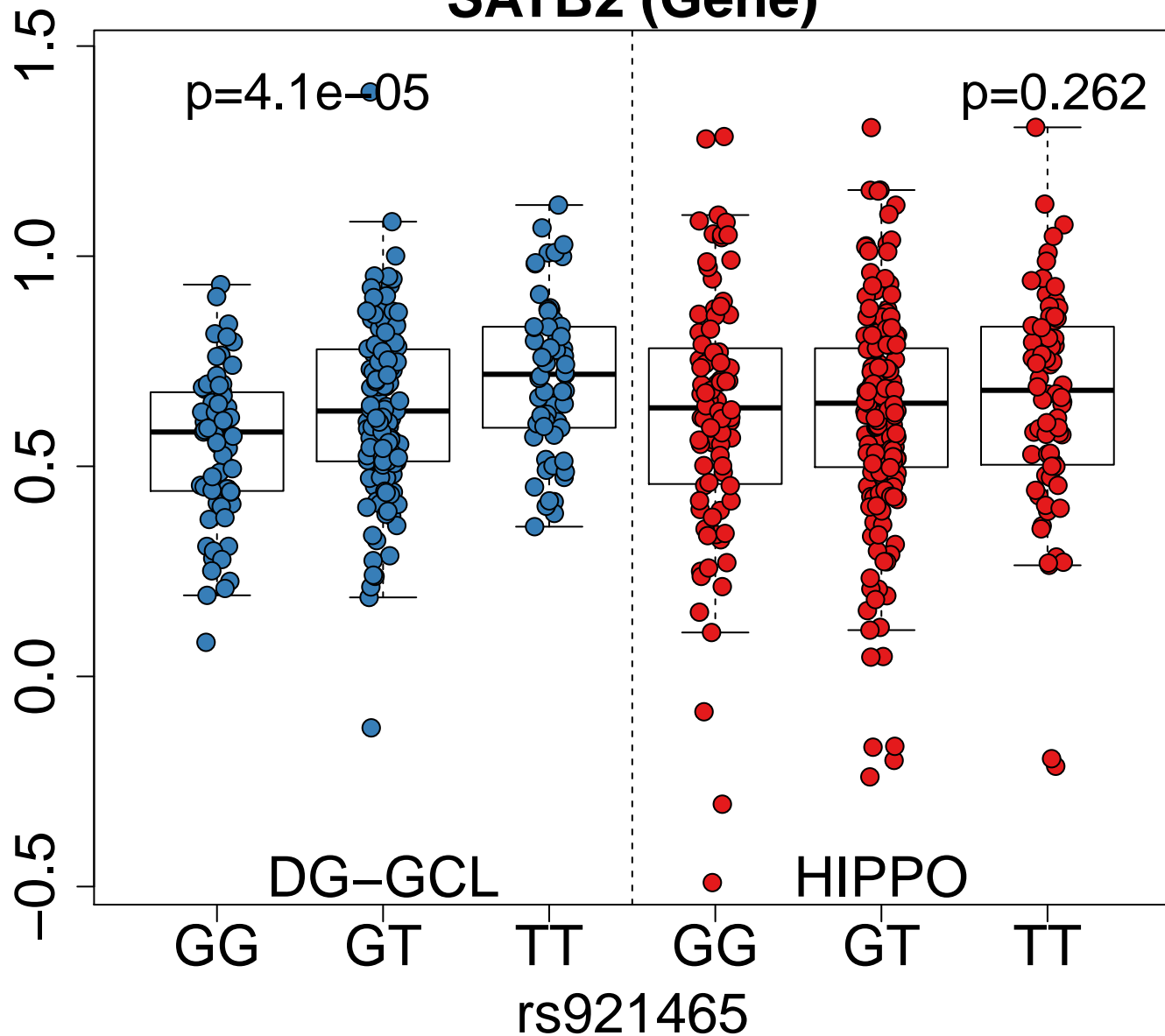
ENSG00000119042.16



Index: rs1451488 ($R^2=0.876$)

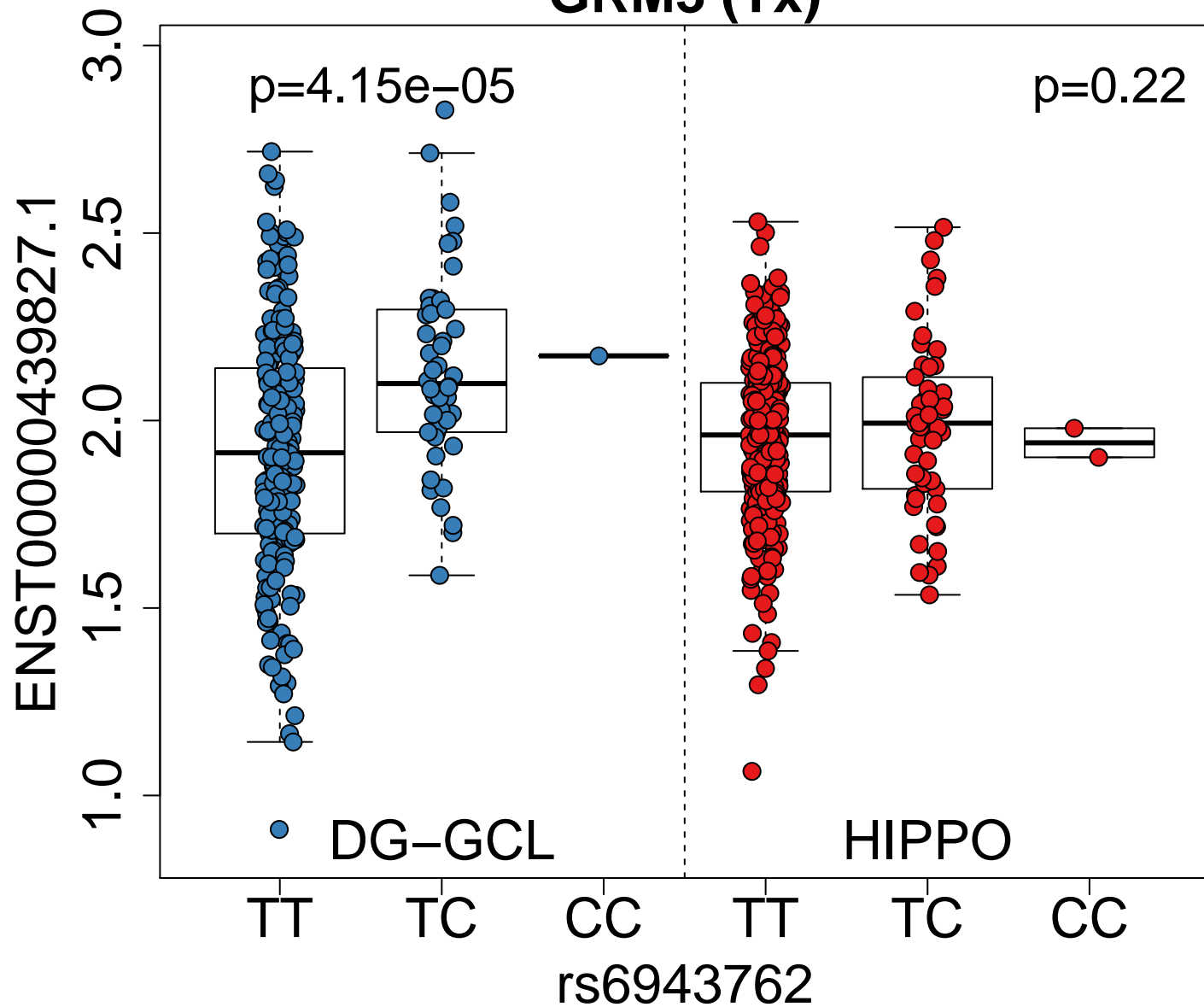
SATB2 (Gene)

ENSG00000119042.16



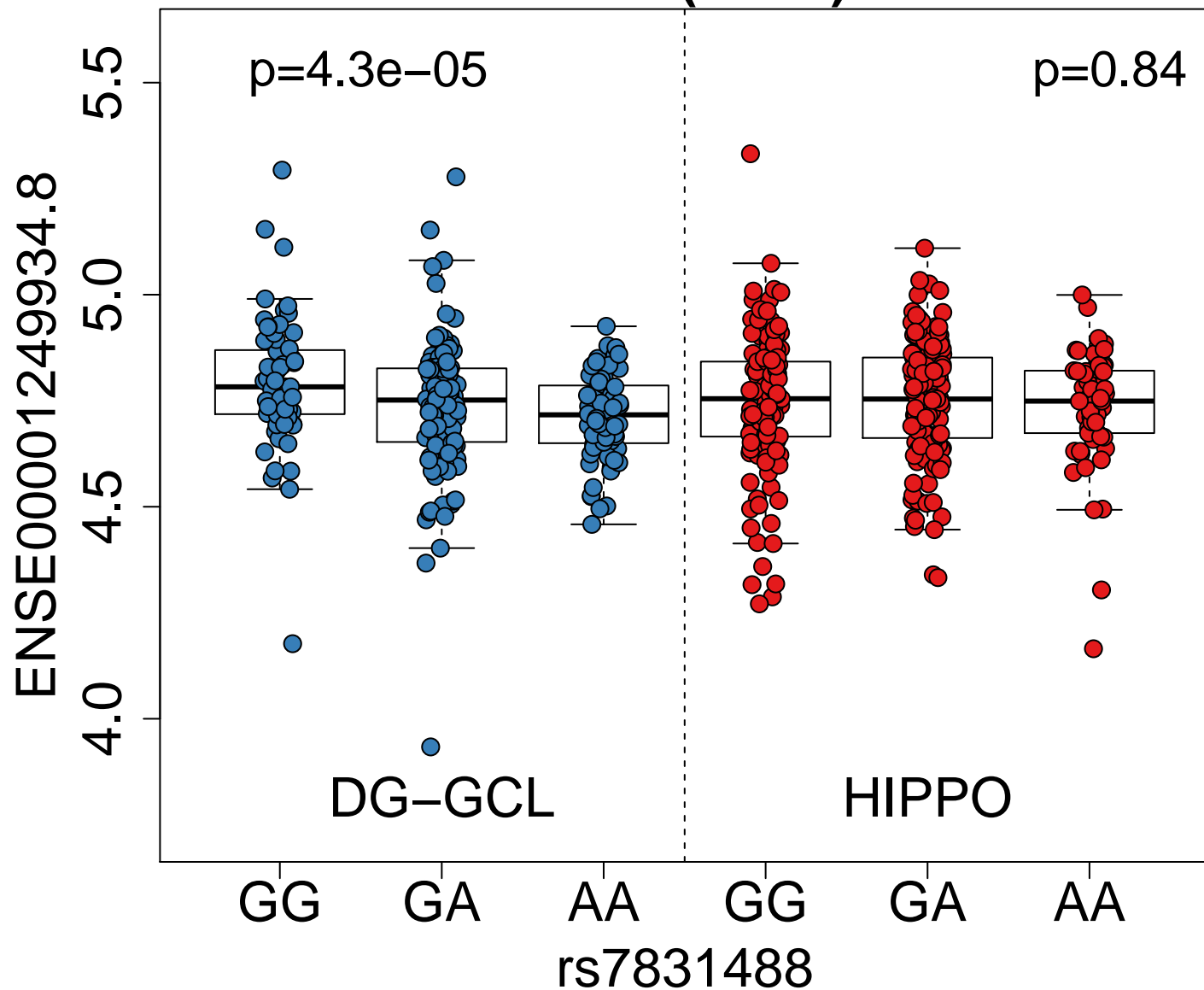
Index: rs12704290 ($R^2=0.817$)

GRM3 (Tx)



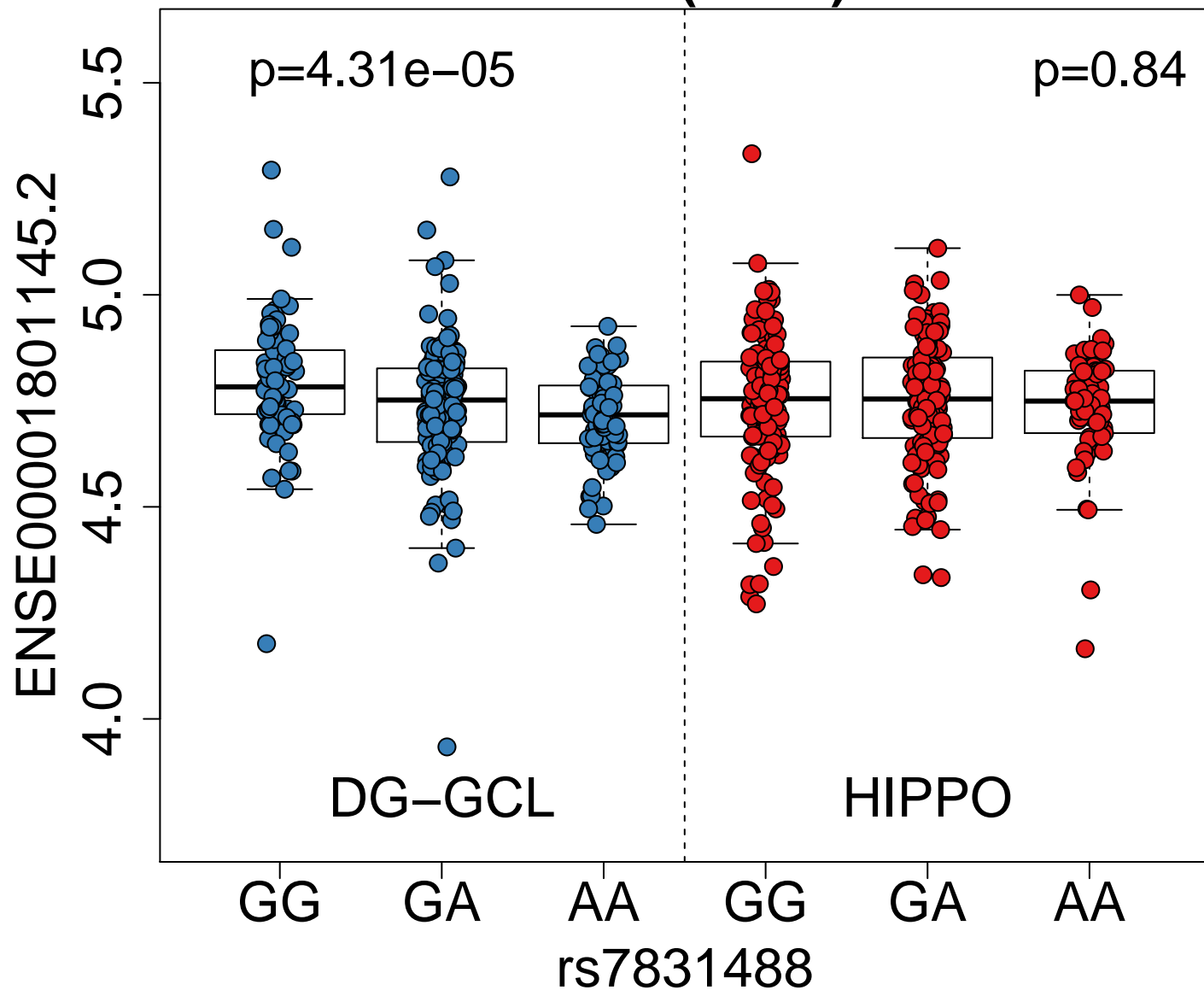
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)

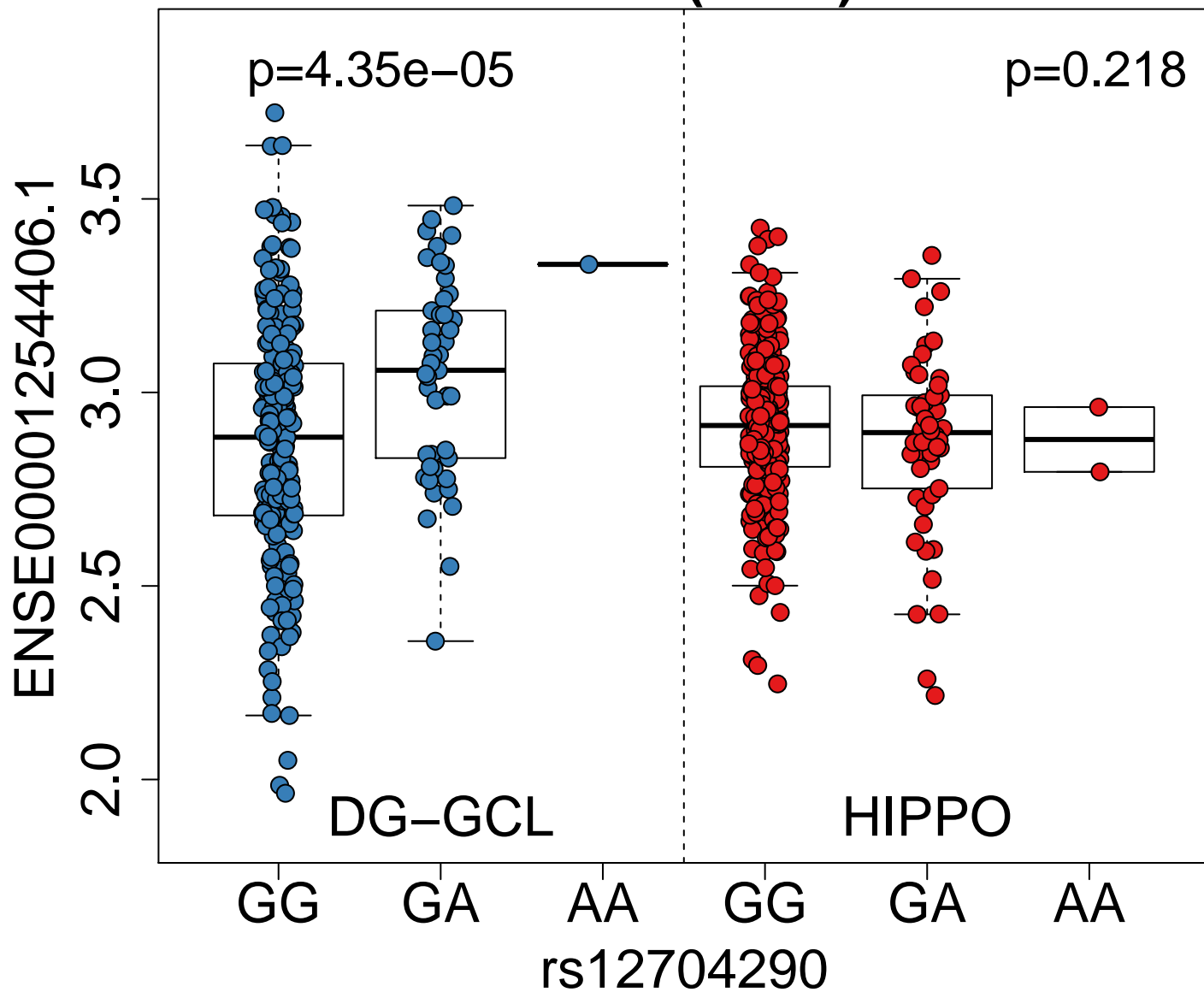


Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



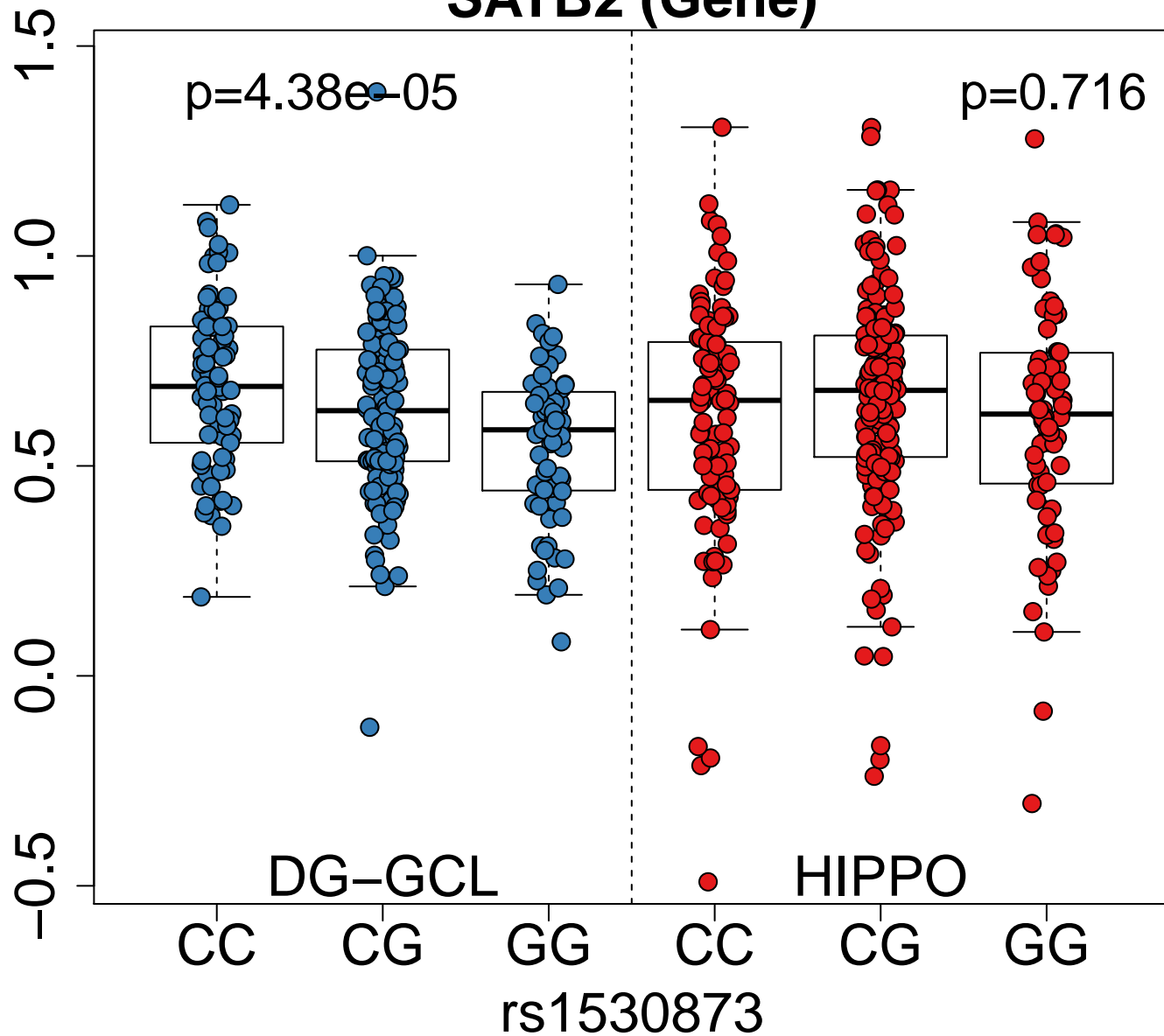
Index: rs12704290 ($R^2=1$)
GRM3 (Exon)



Index: rs1451488 ($R^2=0.876$)

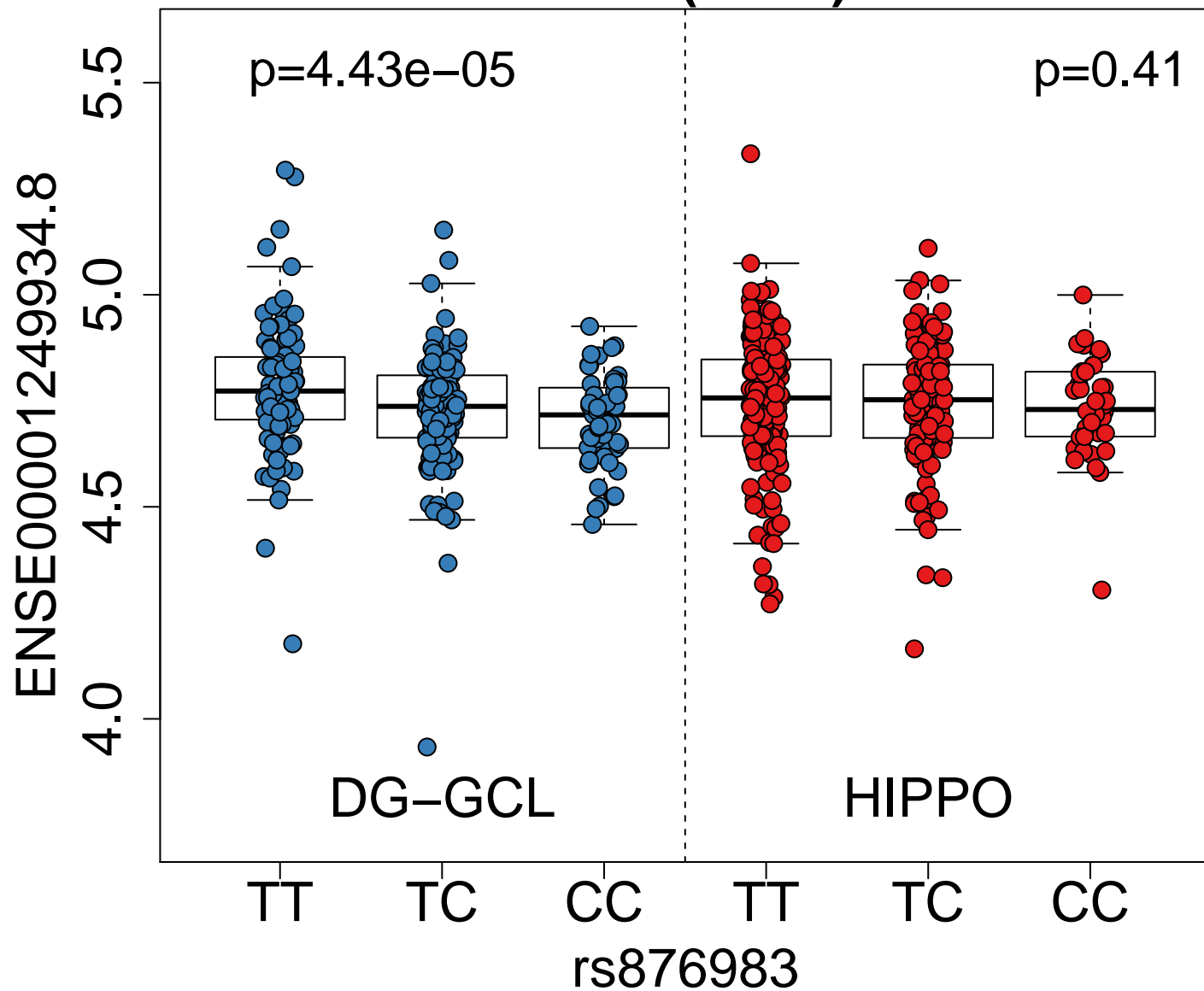
SATB2 (Gene)

ENSG00000119042.16



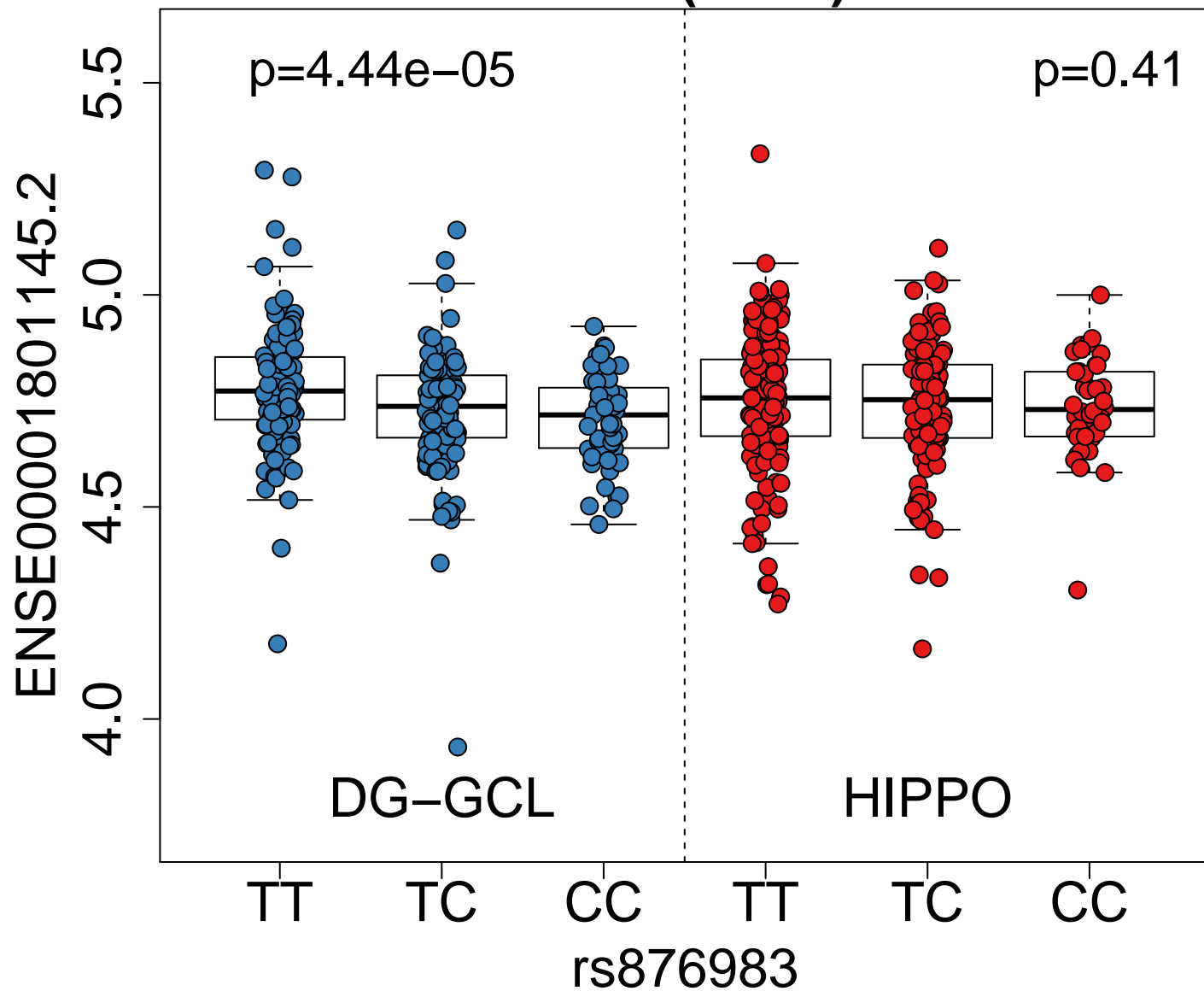
Index: rs2410572 ($R^2=0.844$)

PSD3 (Exon)



Index: rs2410572 ($R^2=0.844$)

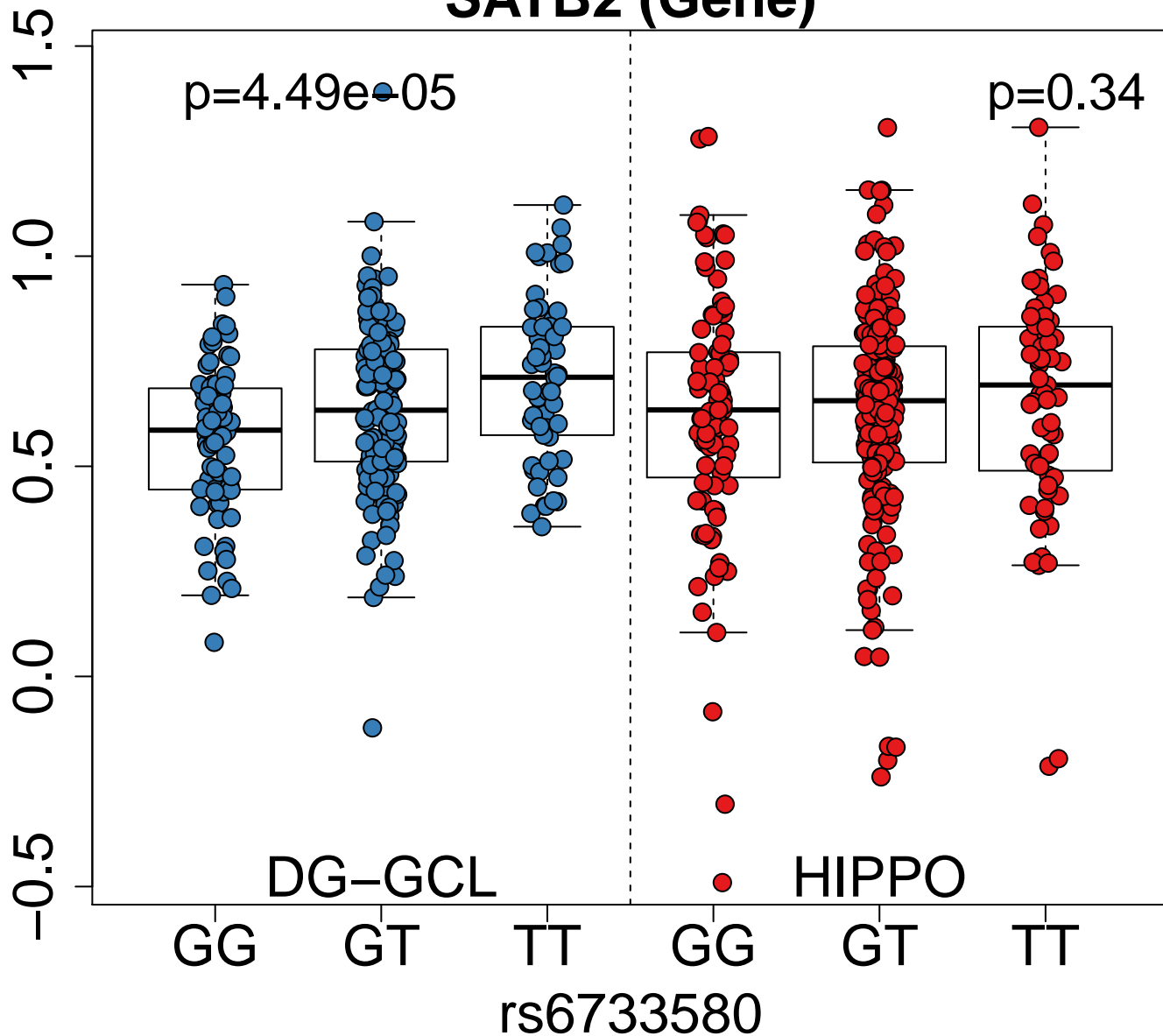
PSD3 (Exon)



Index: rs1451488 ($R^2=0.876$)

SATB2 (Gene)

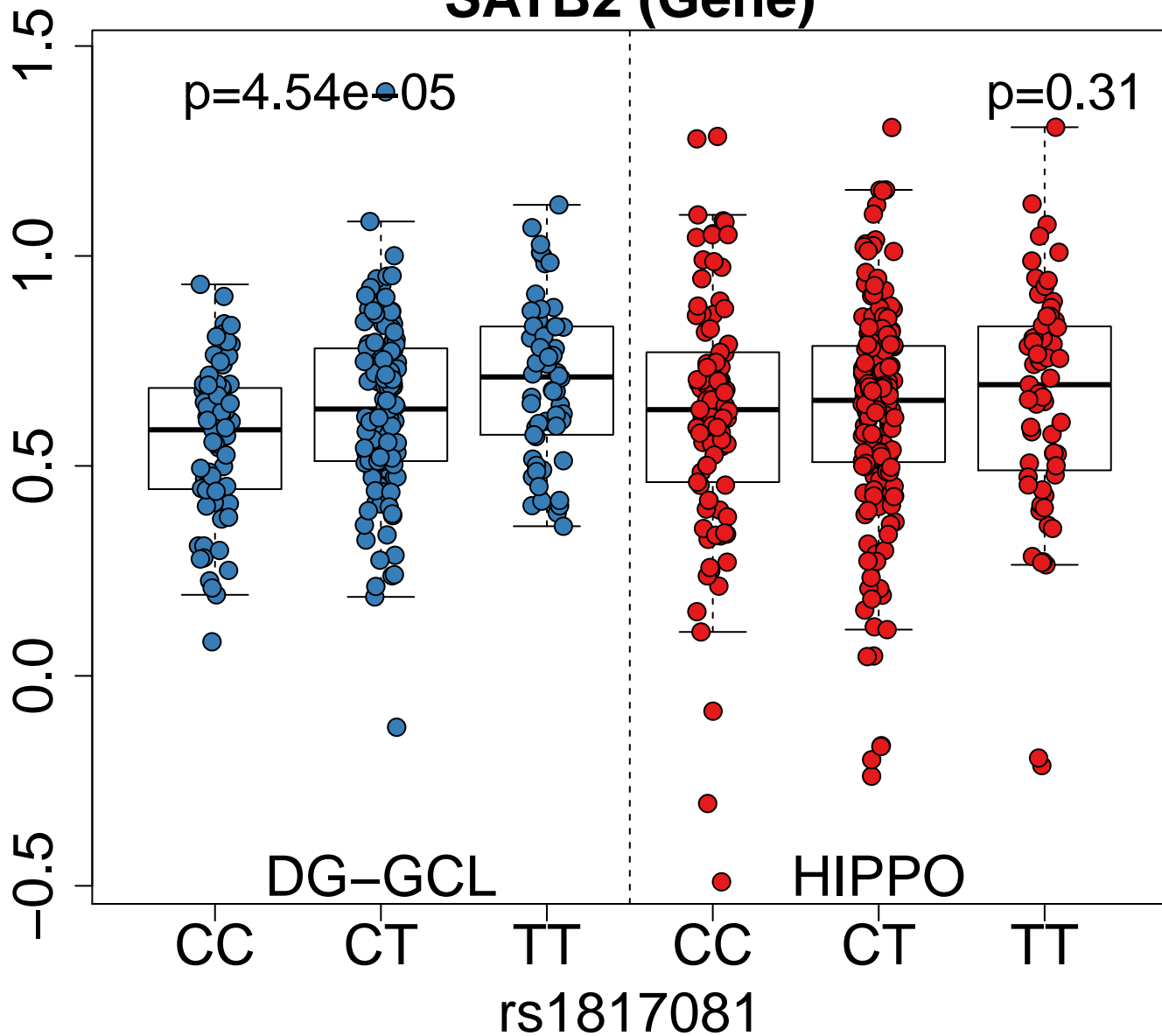
ENSG00000119042.16



Index: rs1451488 ($R^2=0.876$)

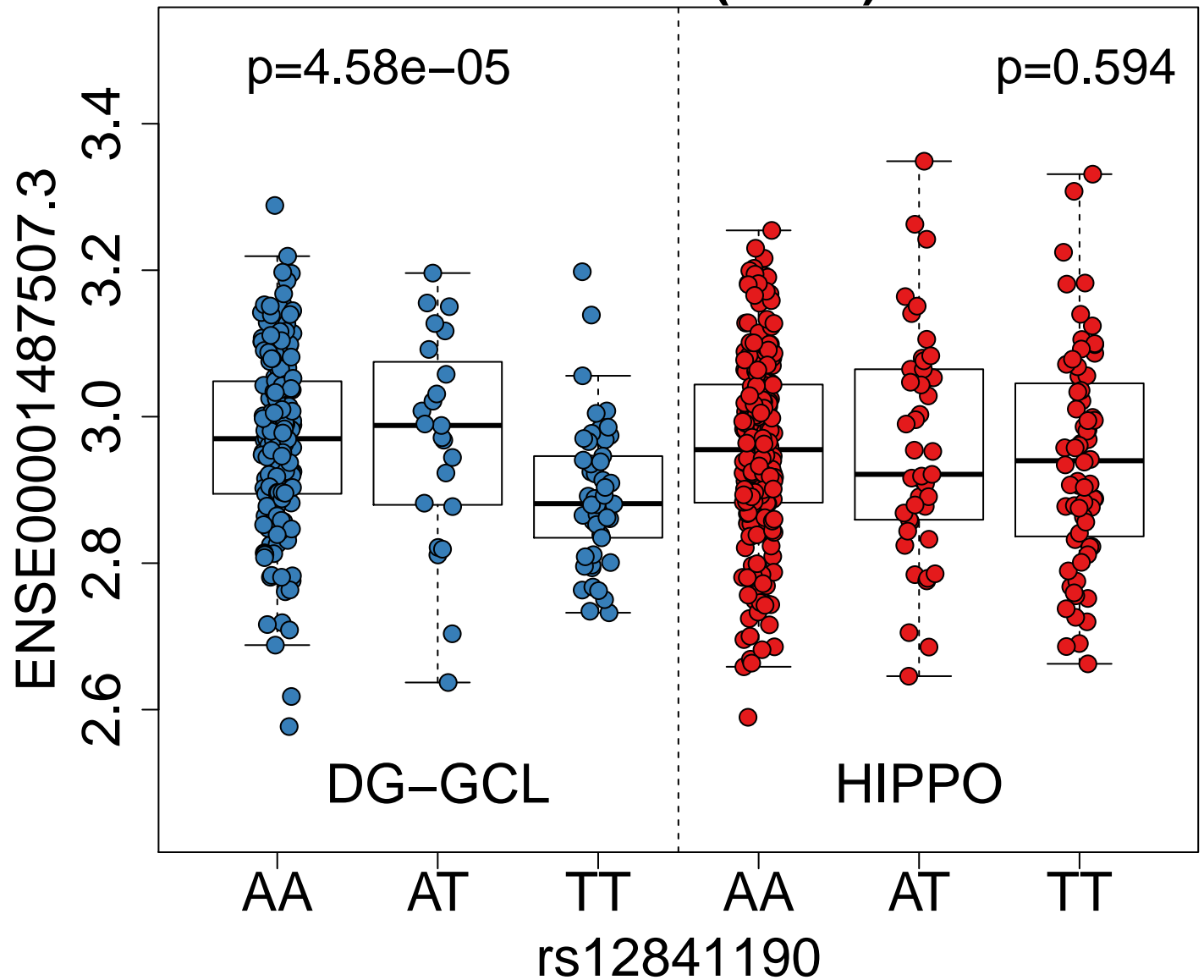
SATB2 (Gene)

ENSG00000119042.16



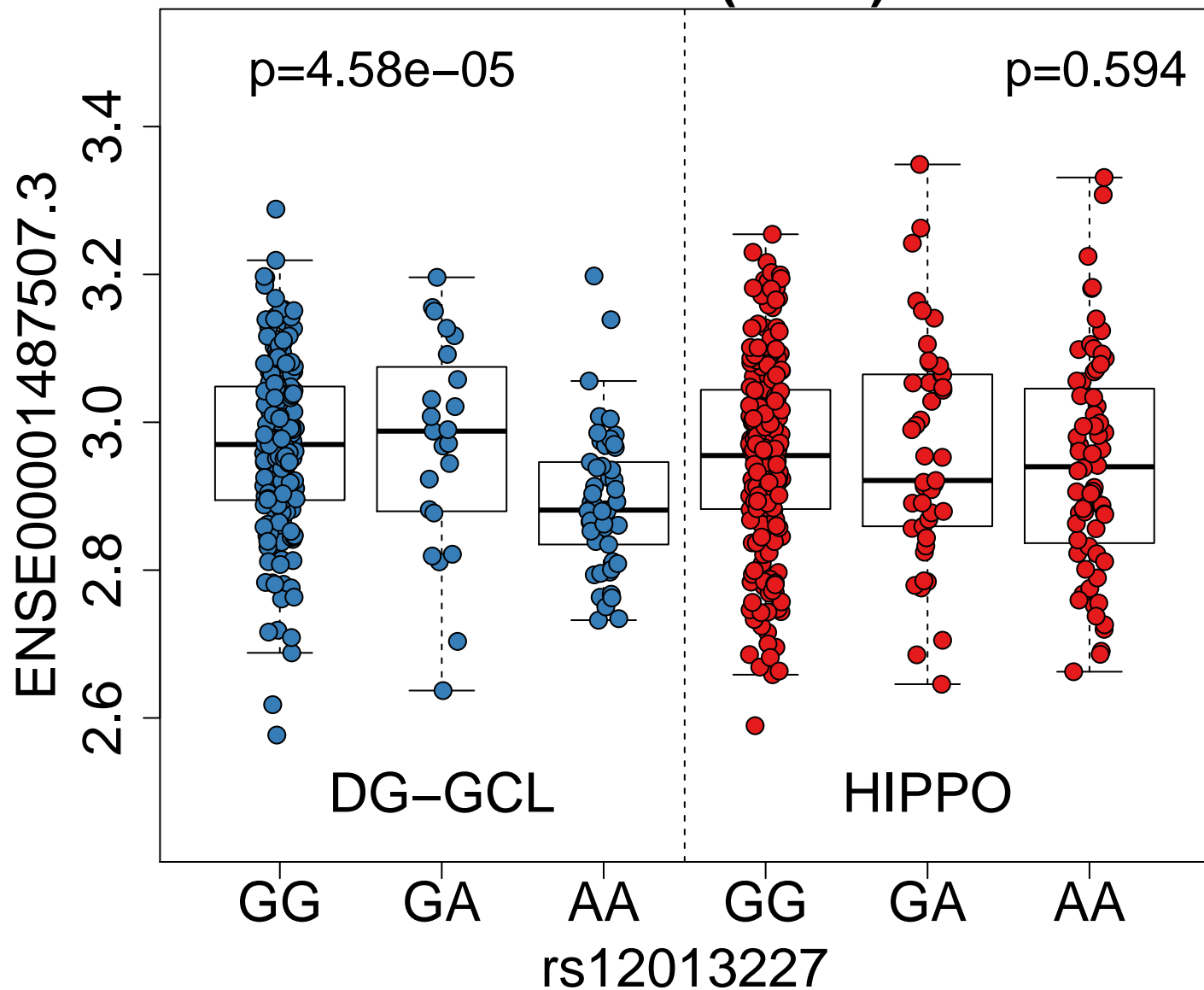
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



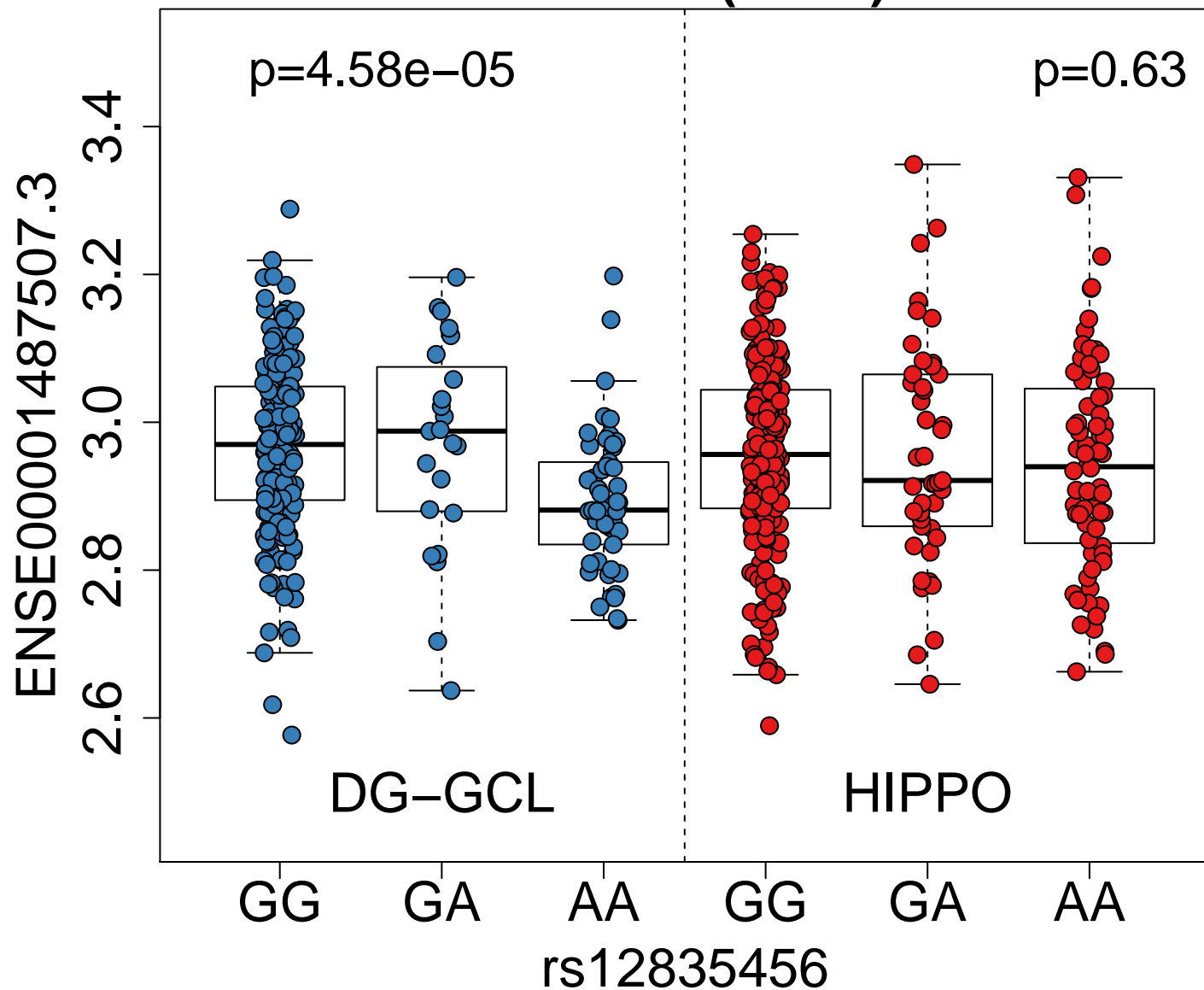
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



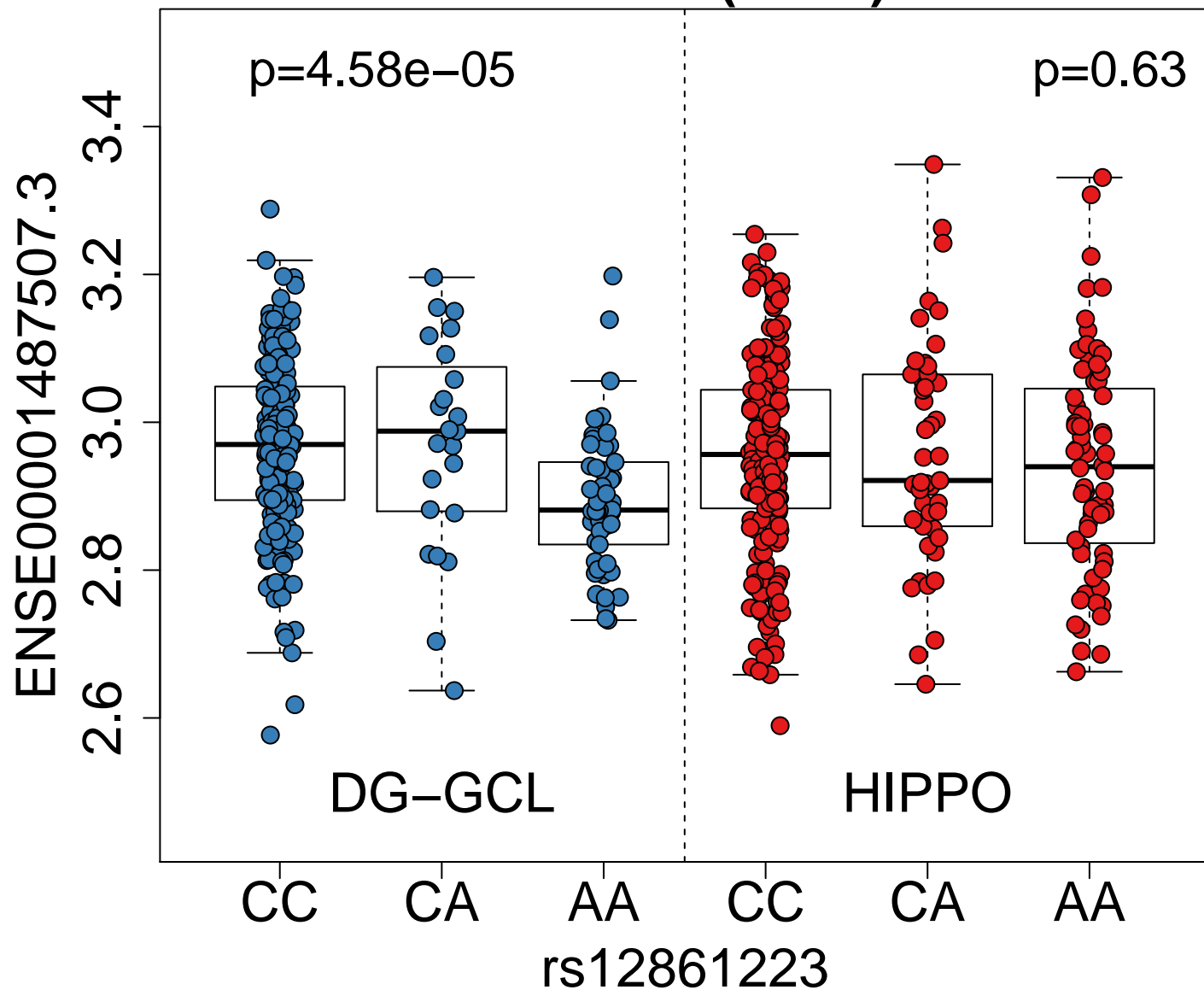
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



Index: rs12009217 ($R^2=0.983$)

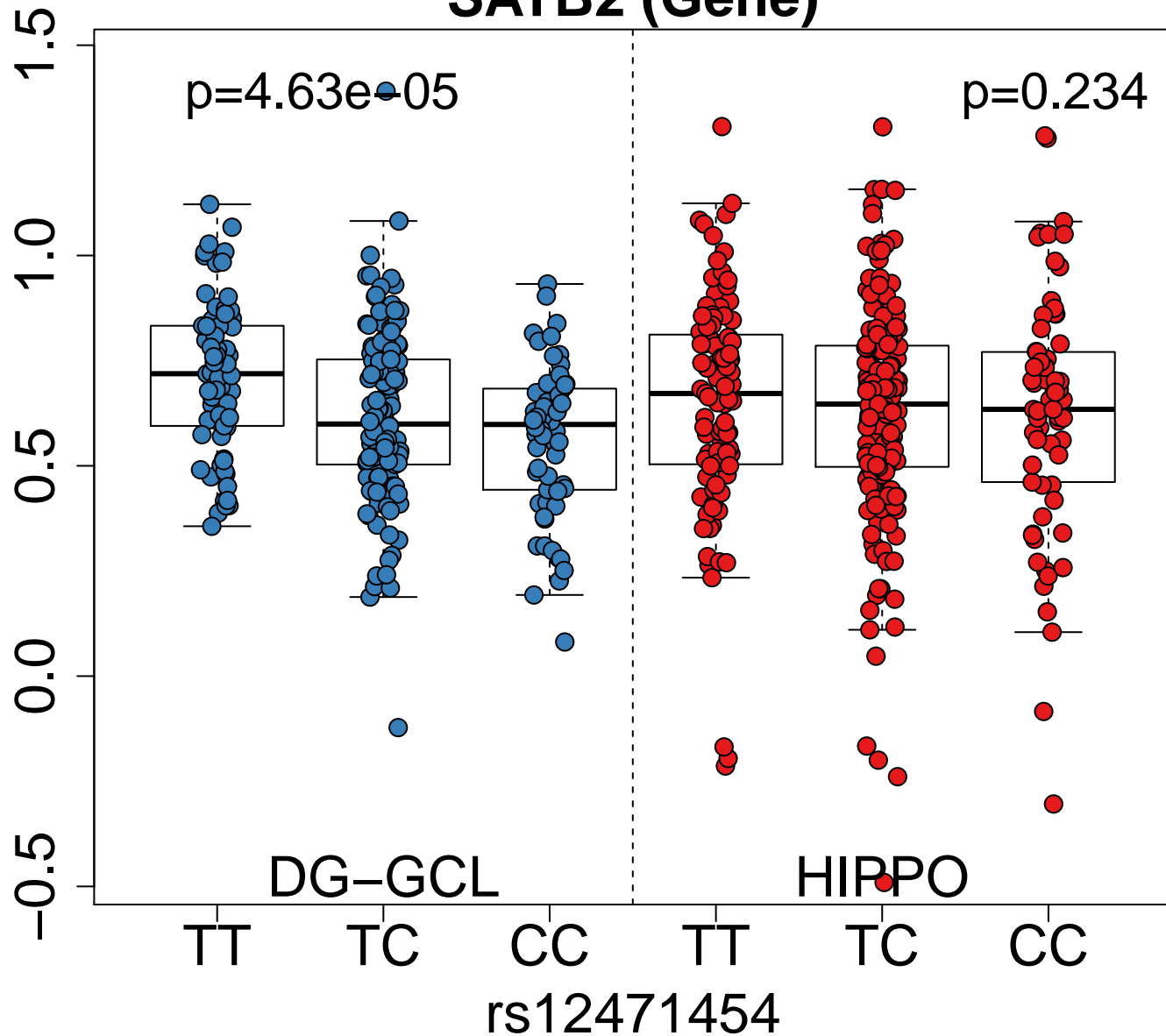
NLGN4X (Exon)



Index: rs1451488 ($R^2=0.871$)

SATB2 (Gene)

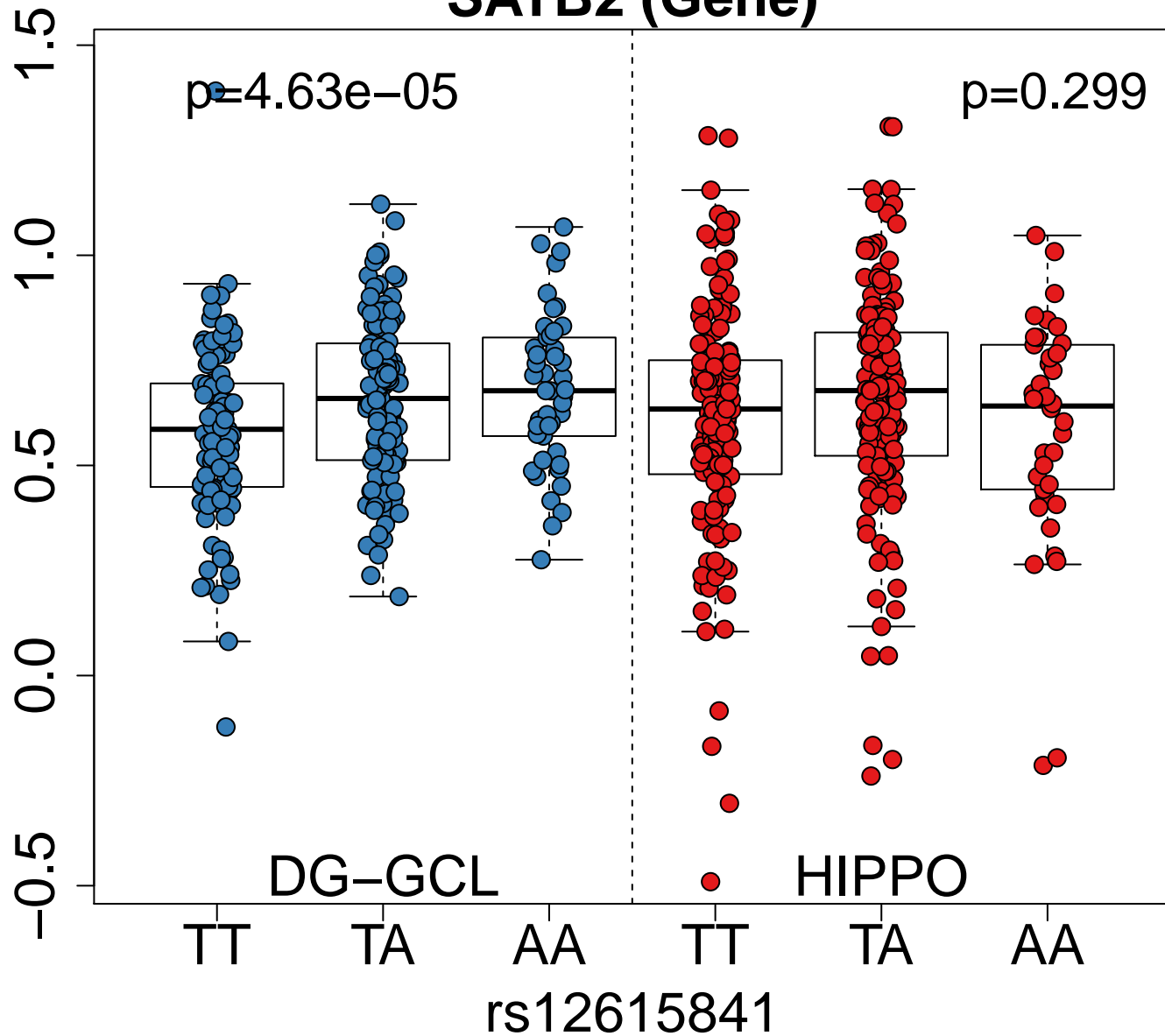
ENSG00000119042.16



Index: rs1451488 ($R^2=0.907$)

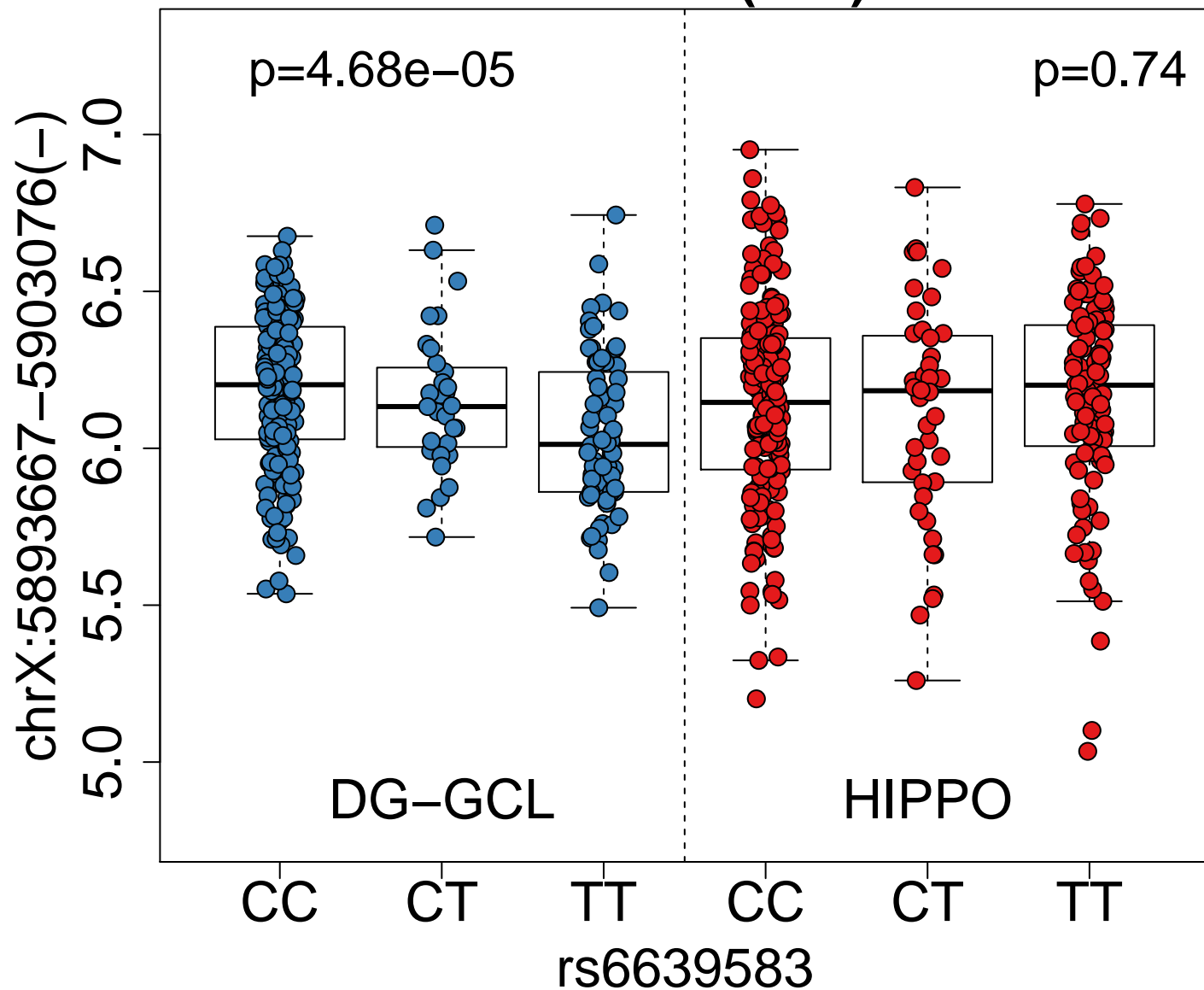
SATB2 (Gene)

ENSG00000119042.16



Index: rs12009217 ($R^2=0.809$)

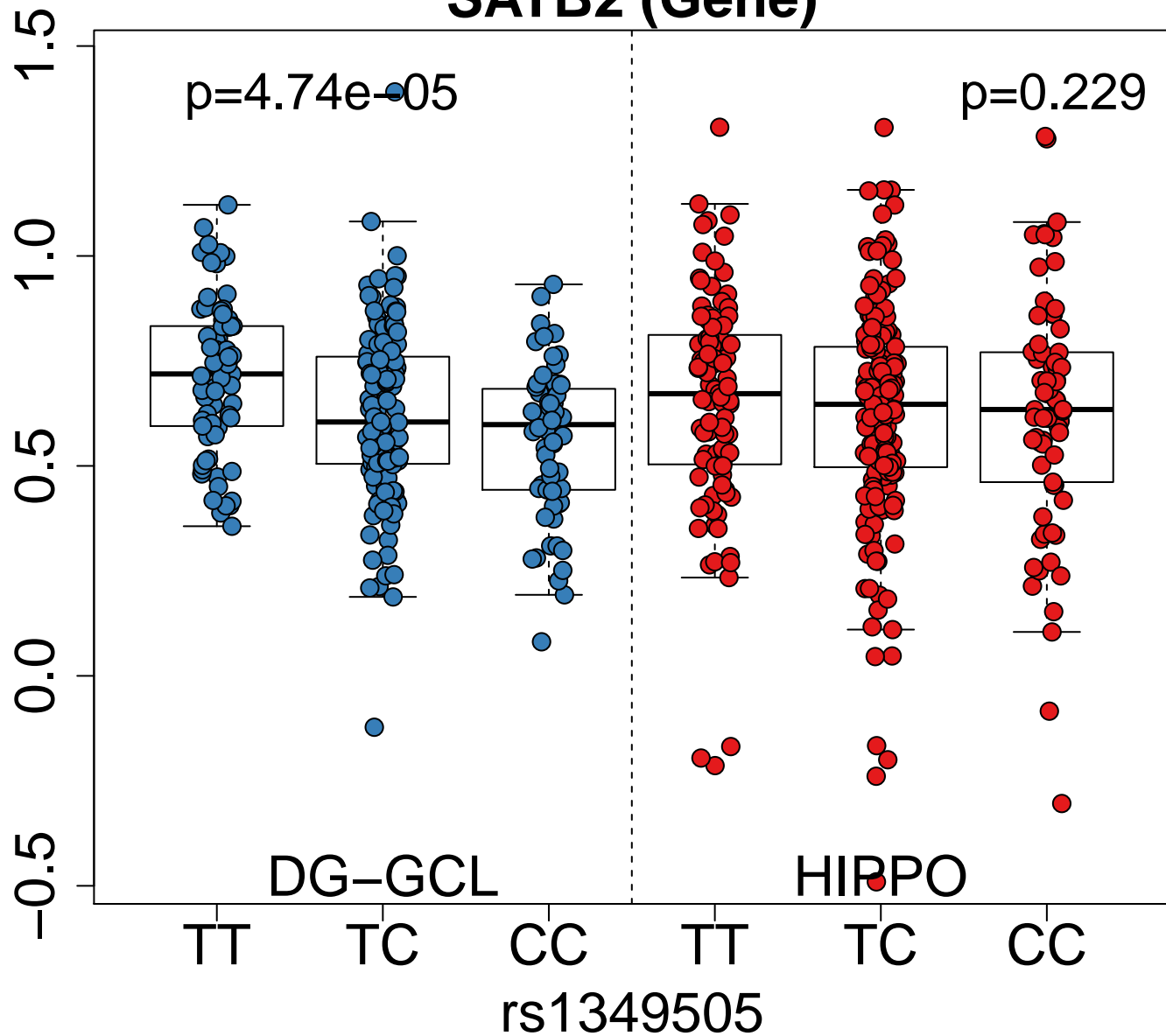
NLGN4X (Jxn)



Index: rs1451488 ($R^2=0.88$)

SATB2 (Gene)

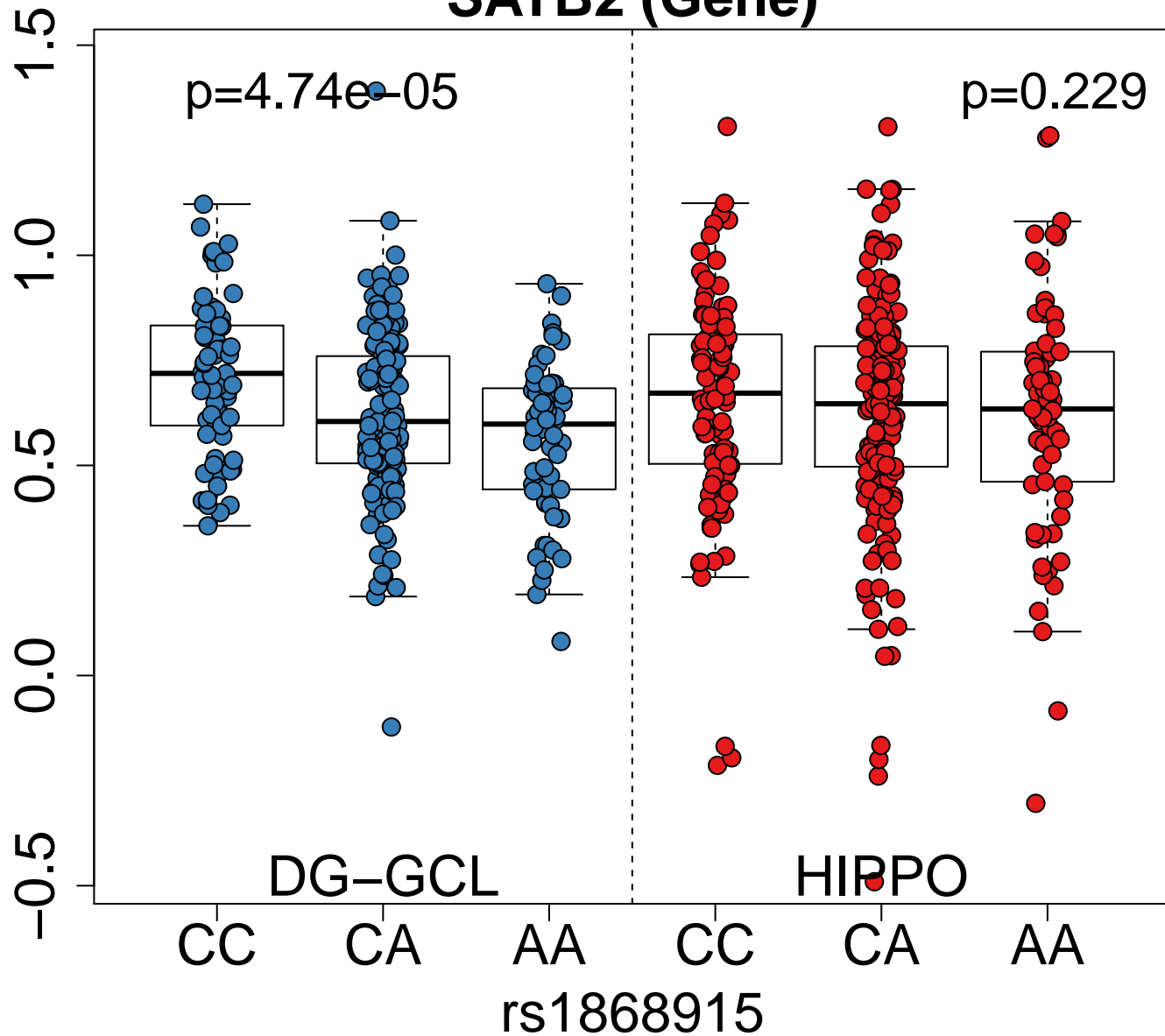
ENSG00000119042.16



Index: rs1451488 ($R^2=0.88$)

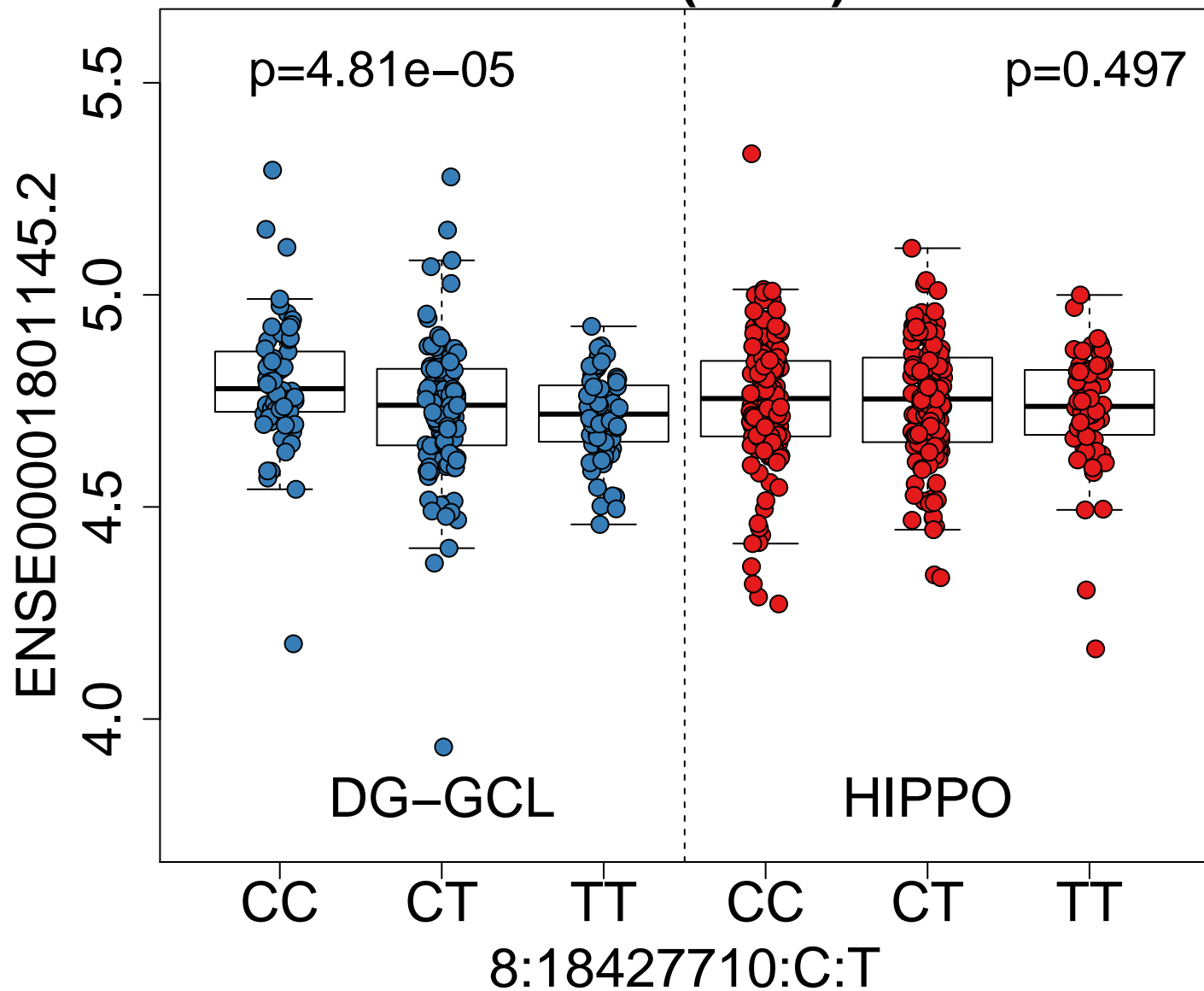
SATB2 (Gene)

ENSG00000119042.16



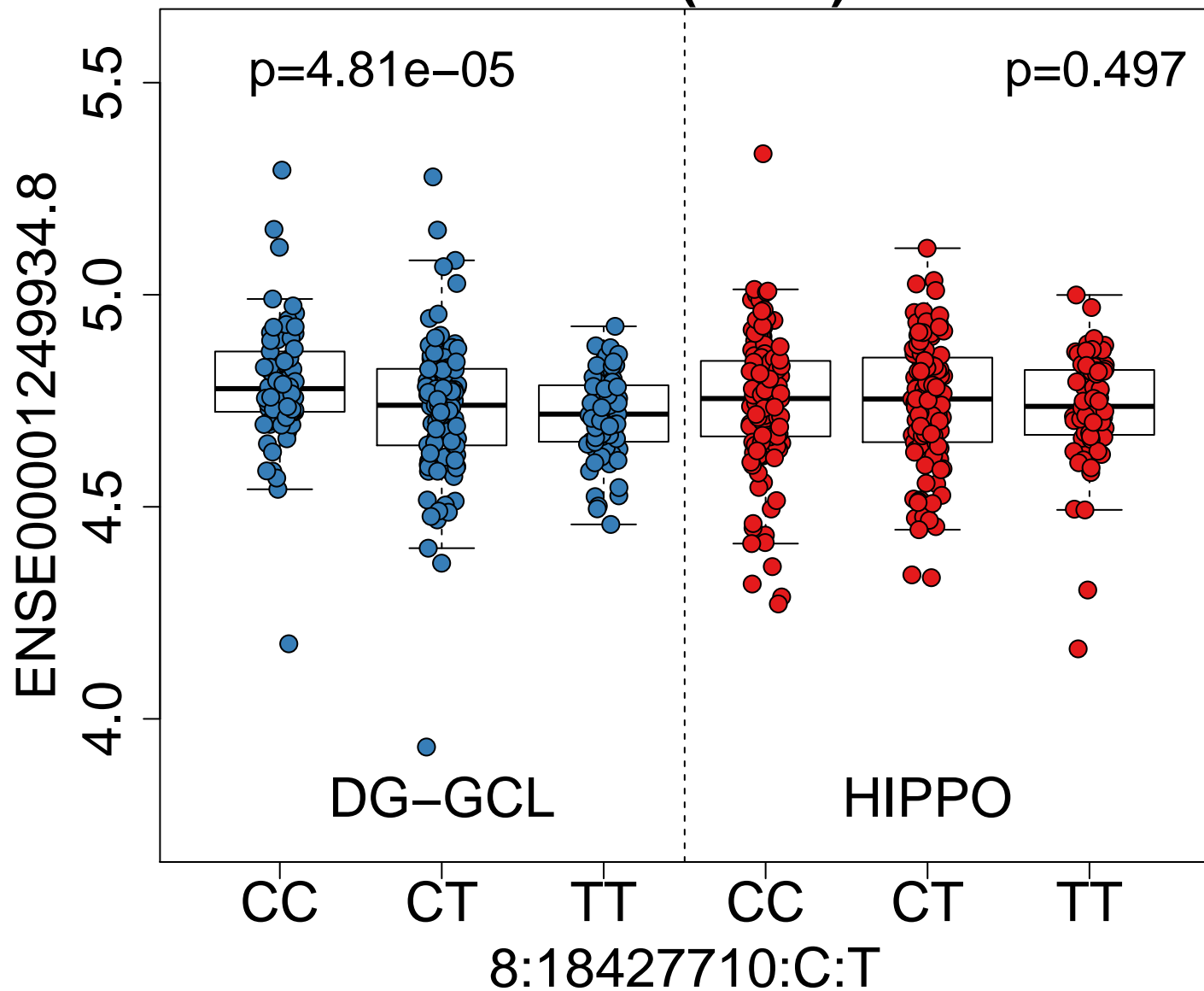
Index: rs2410572 ($R^2=0.828$)

PSD3 (Exon)



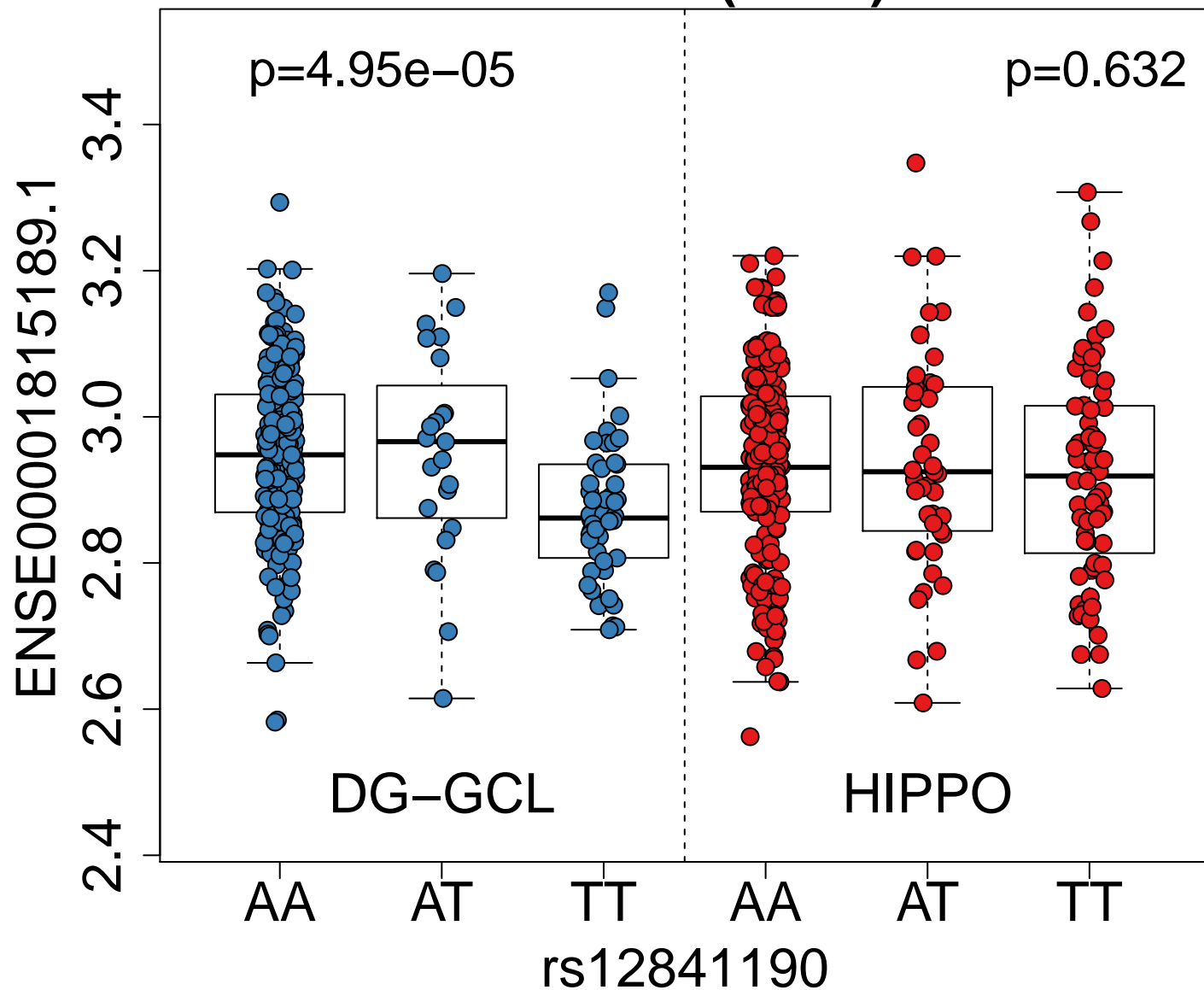
Index: rs2410572 ($R^2=0.828$)

PSD3 (Exon)



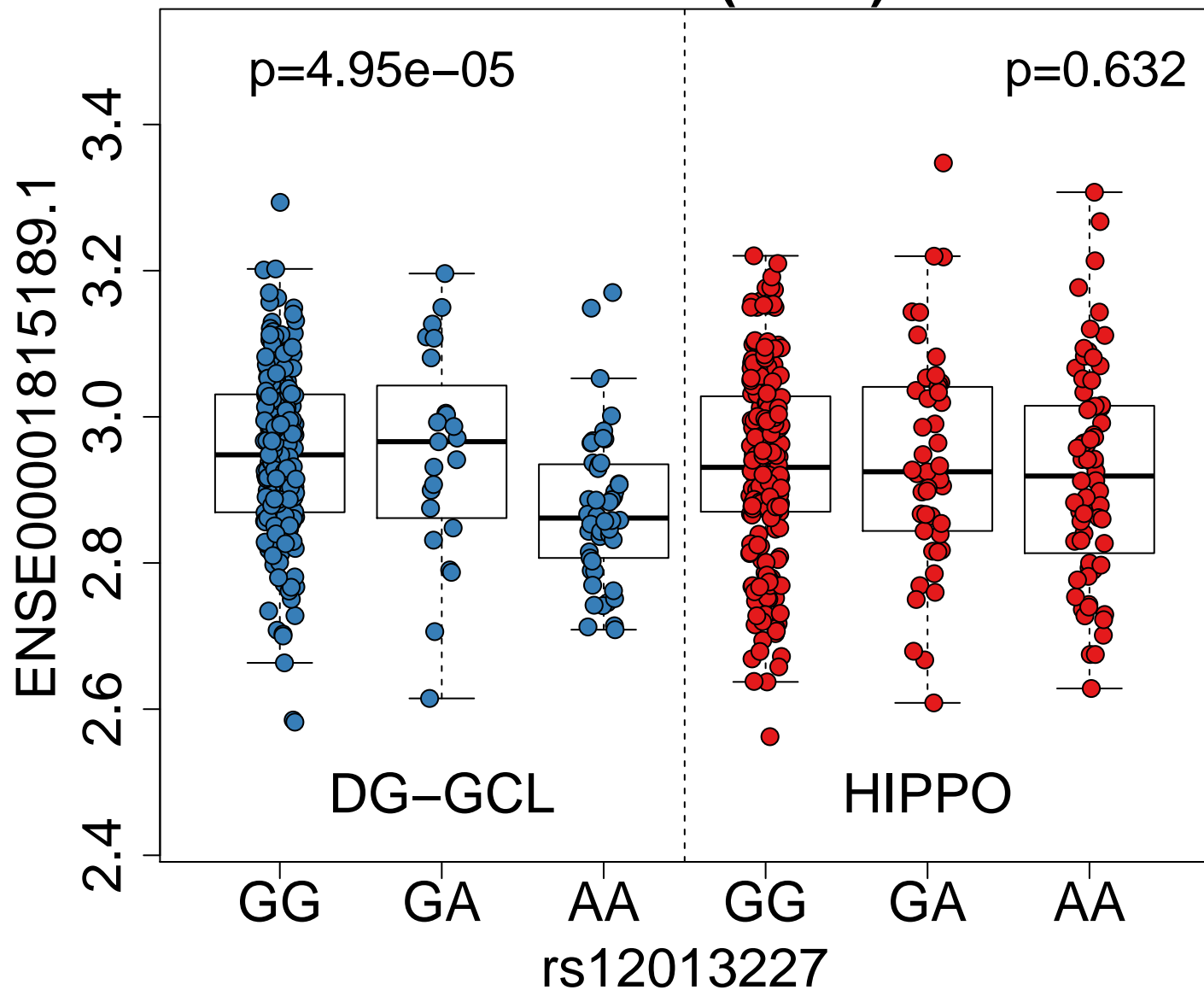
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



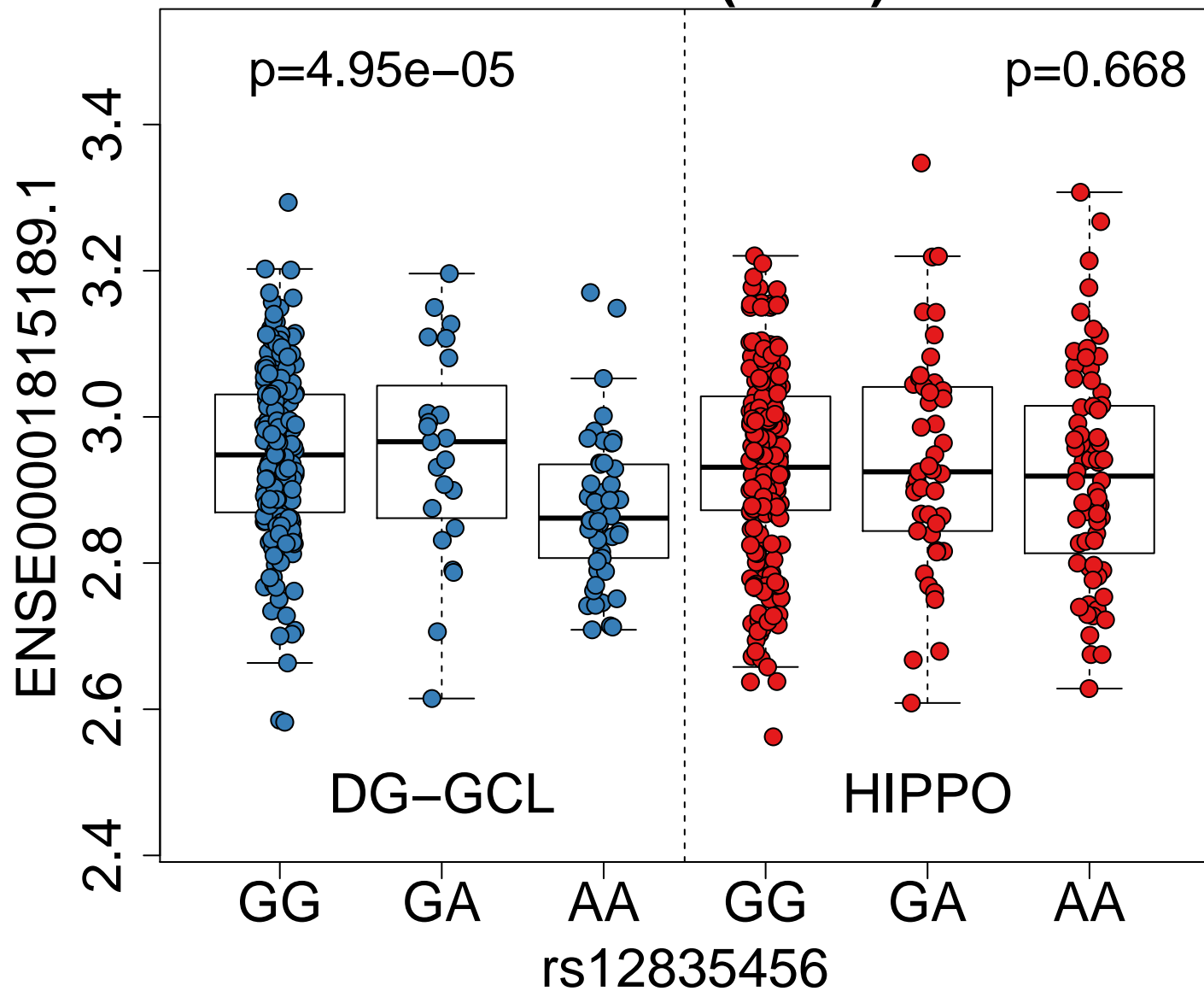
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



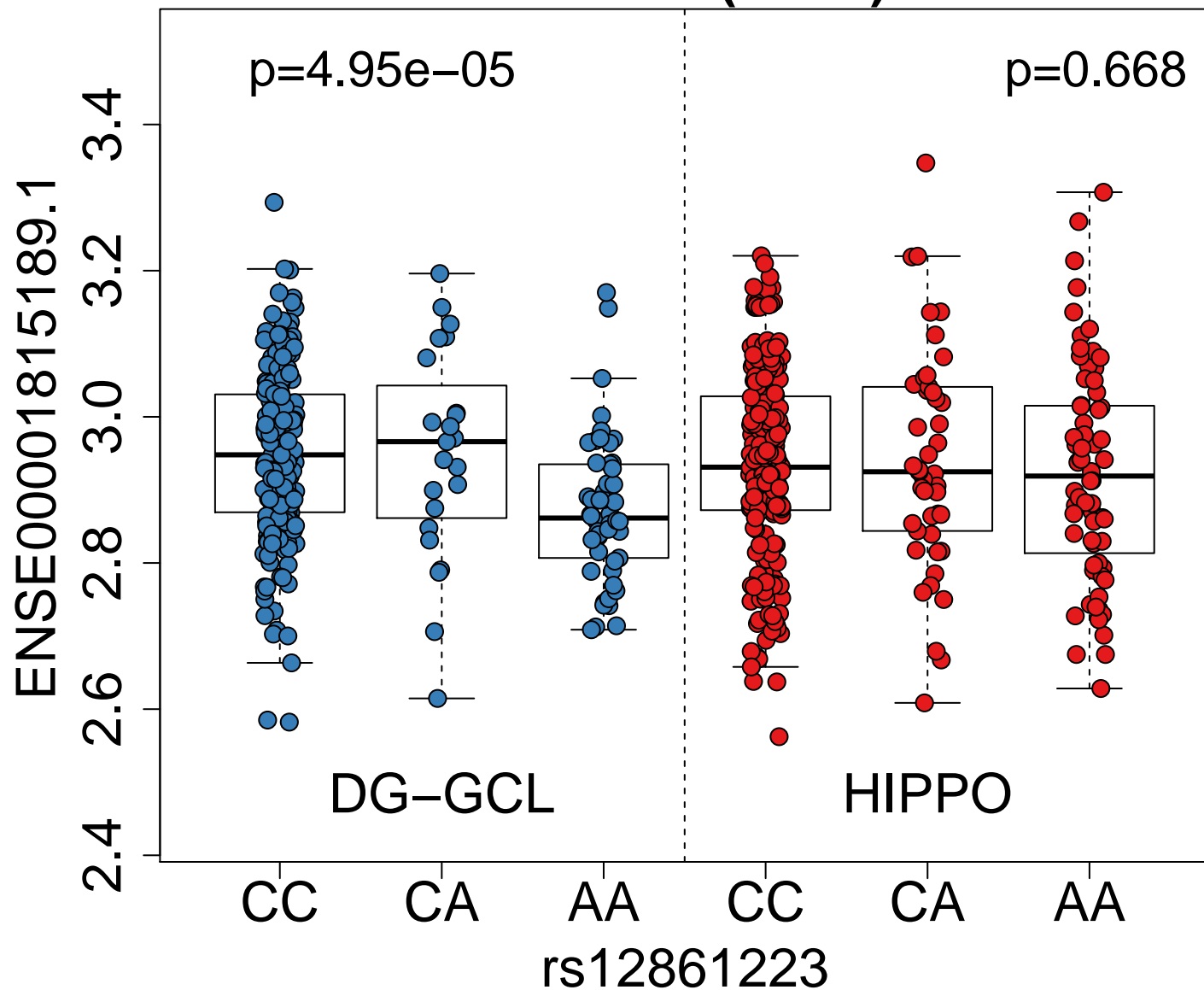
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



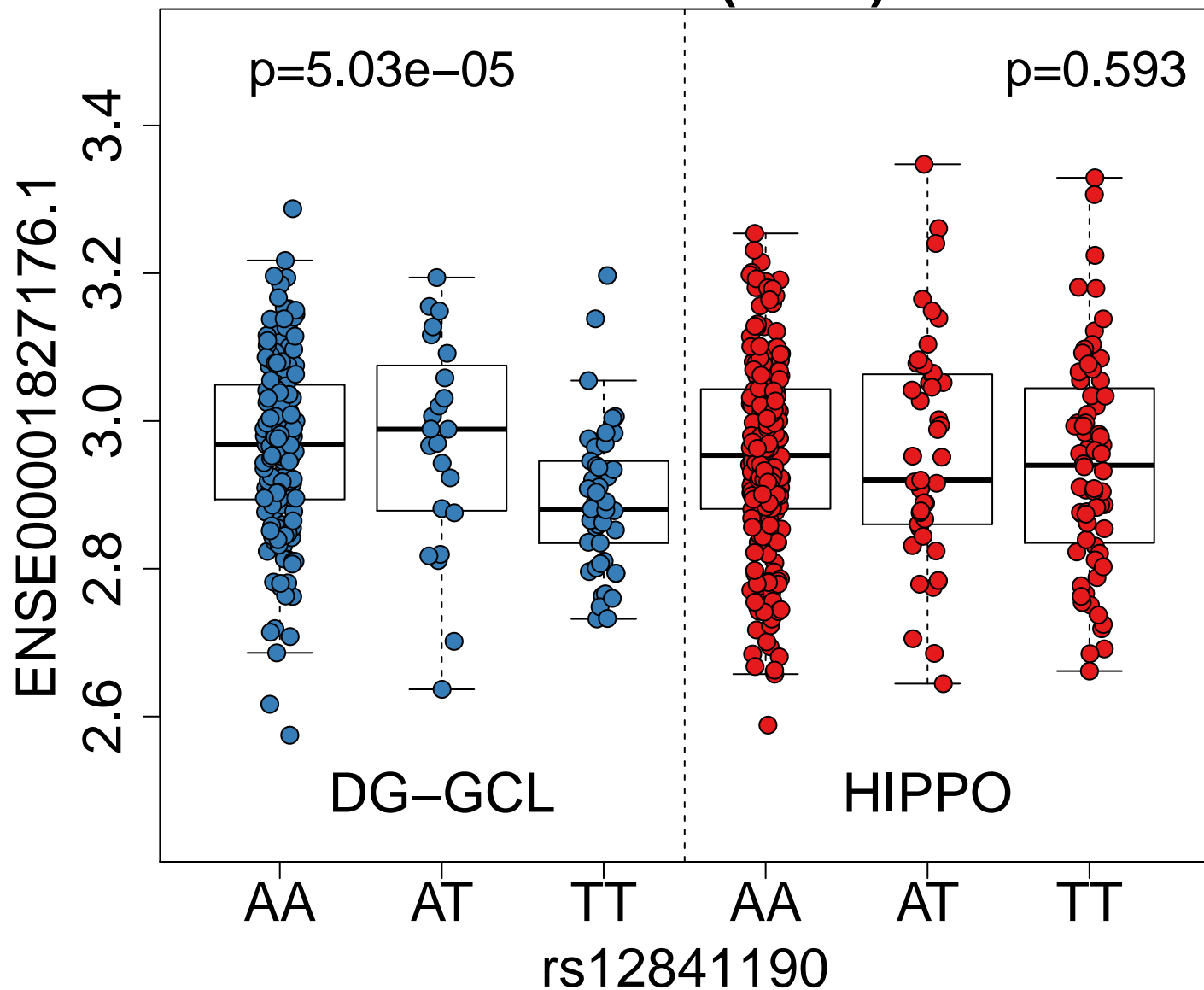
Index: rs12009217 ($R^2=0.983$)

NLGN4X (Exon)



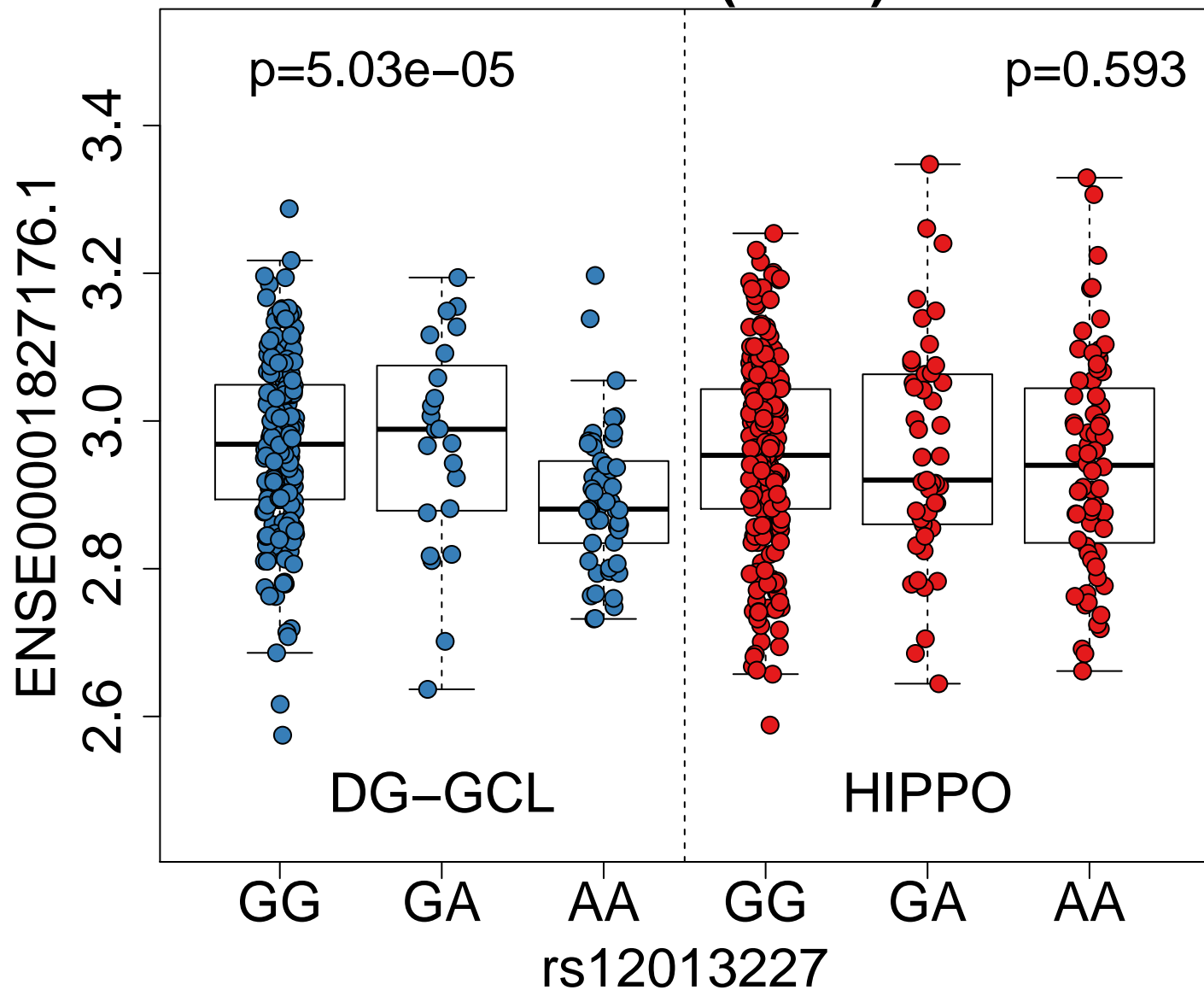
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



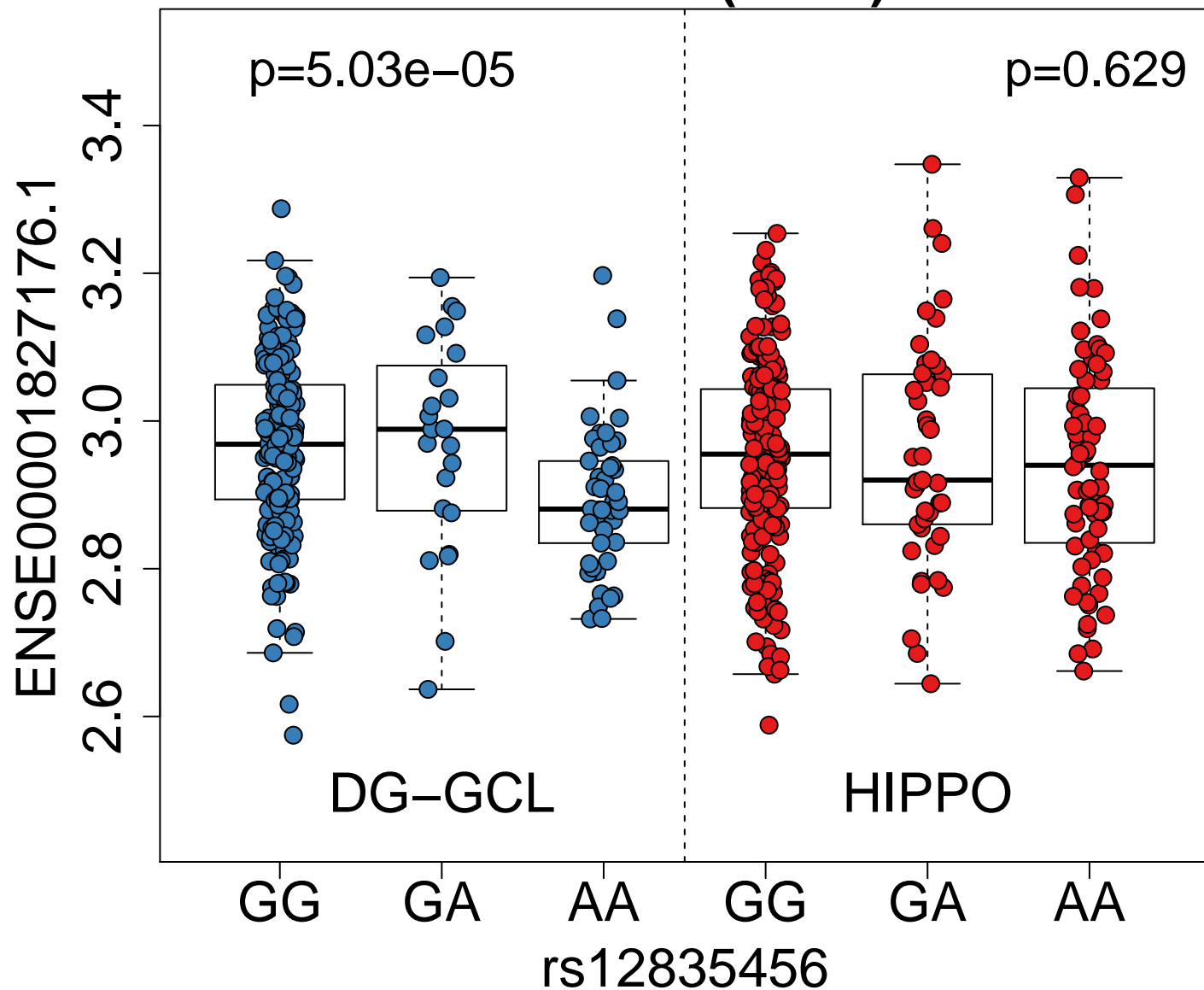
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



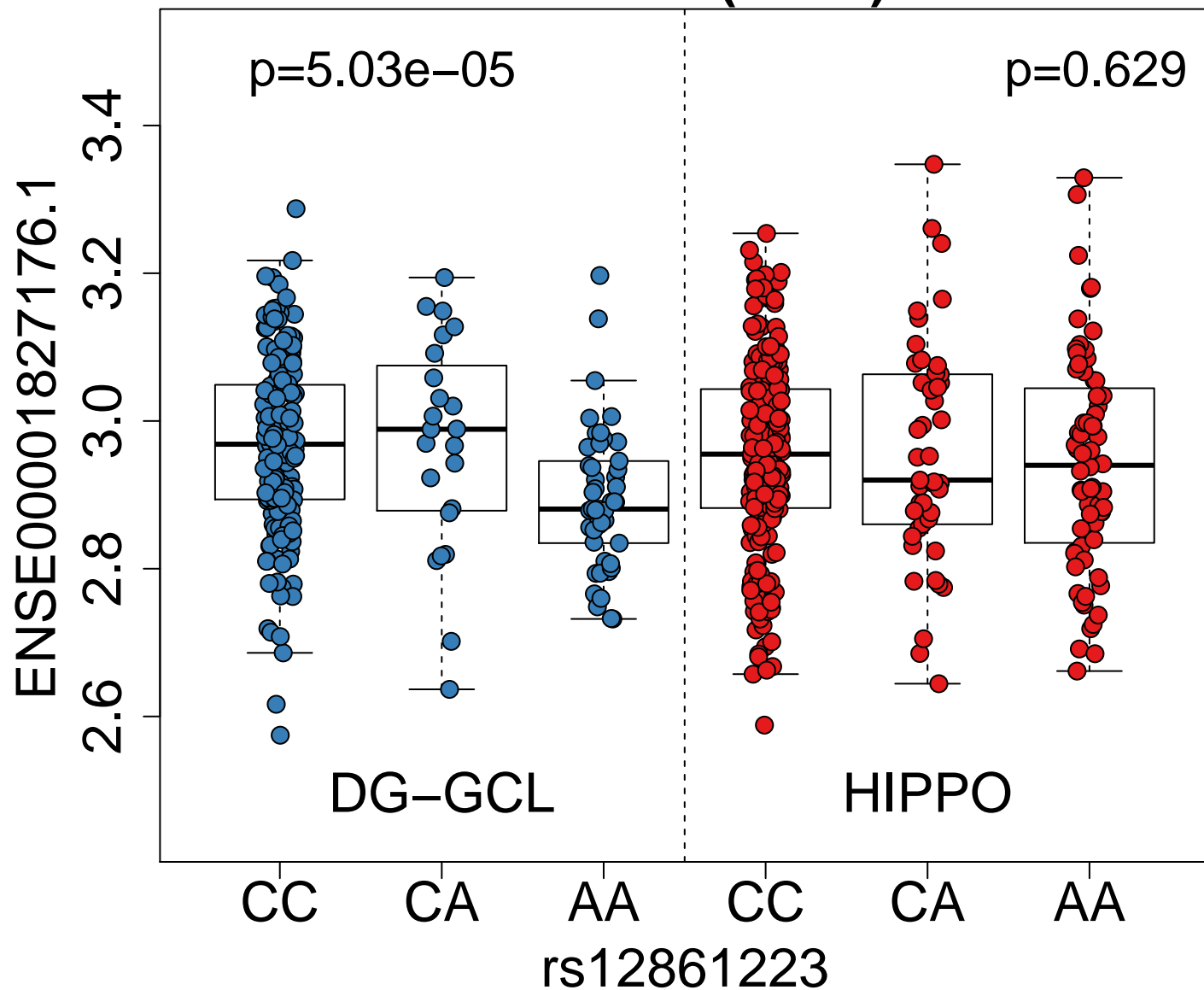
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



Index: rs12009217 ($R^2=0.983$)

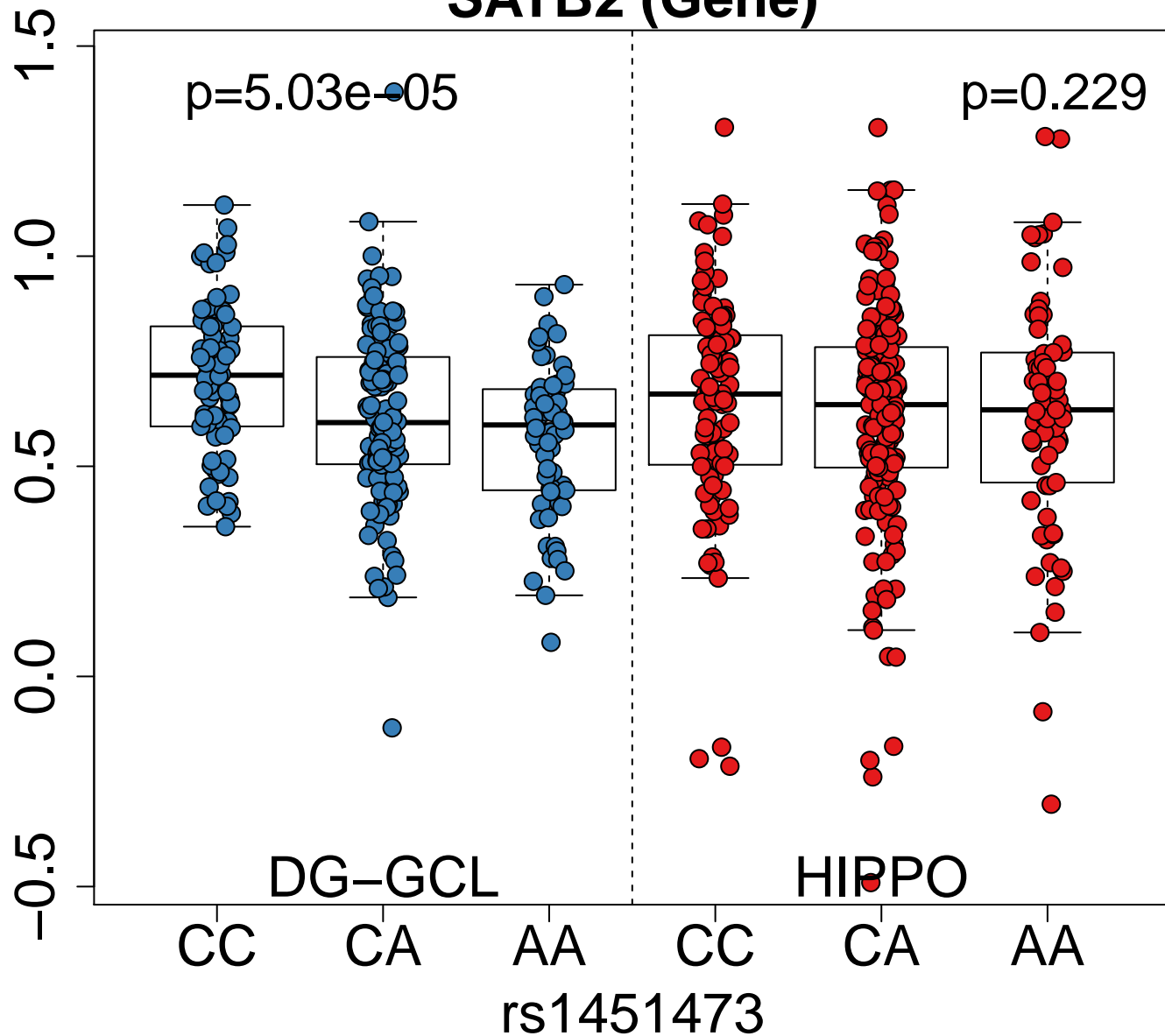
NLGN4X (Exon)



Index: rs1451488 ($R^2=0.88$)

SATB2 (Gene)

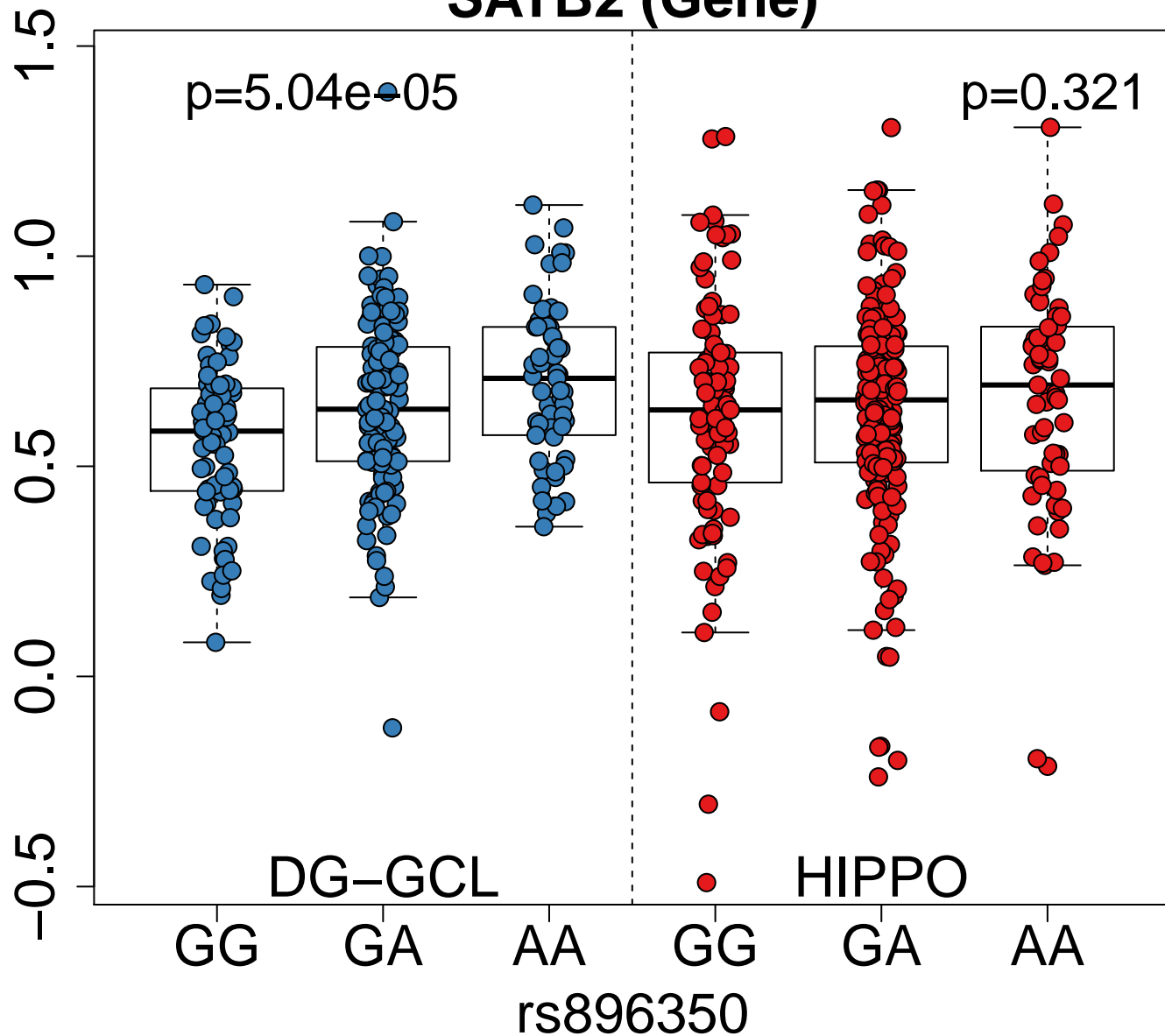
ENSG00000119042.16



Index: rs1451488 ($R^2=0.873$)

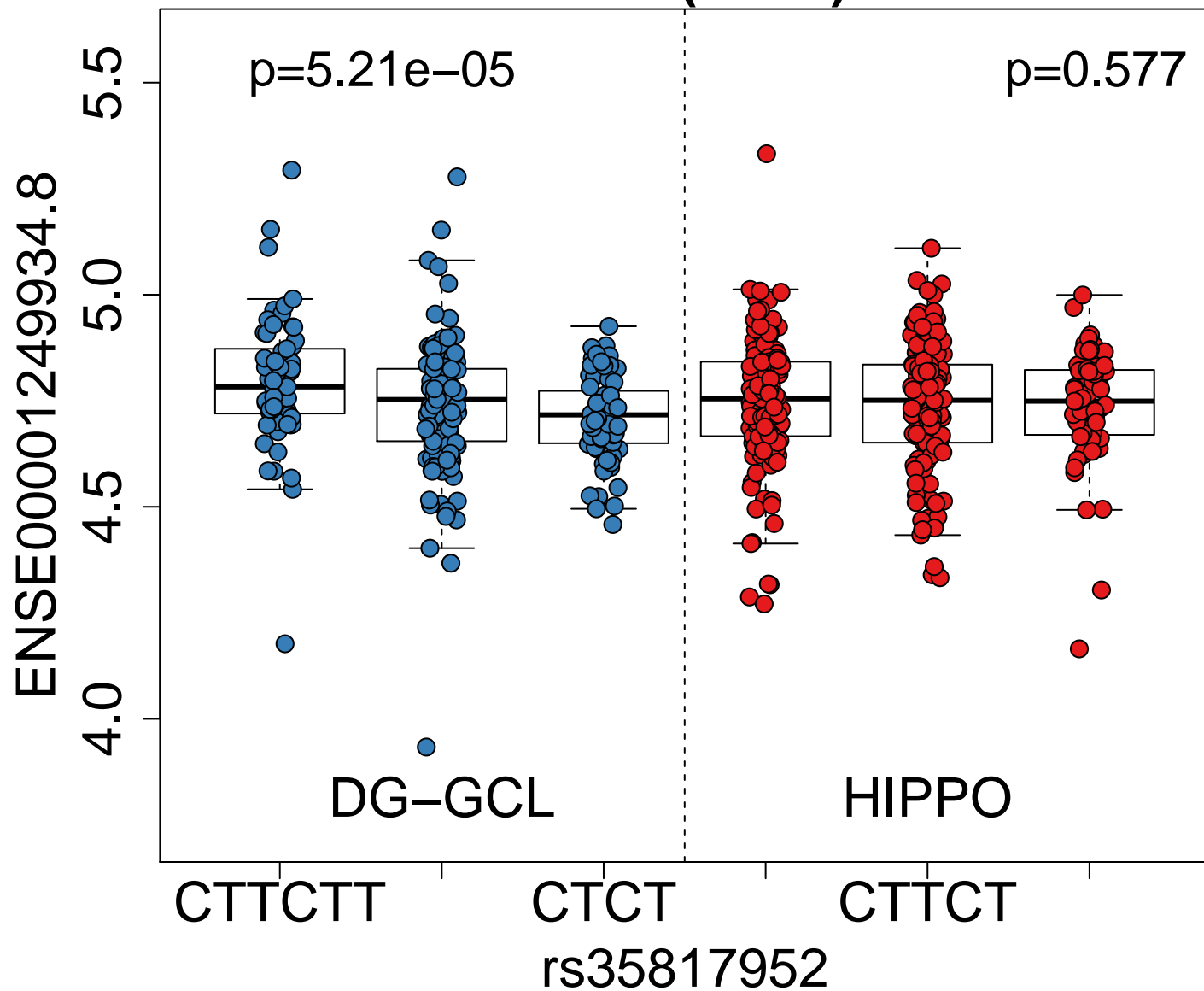
SATB2 (Gene)

ENSG00000119042.16



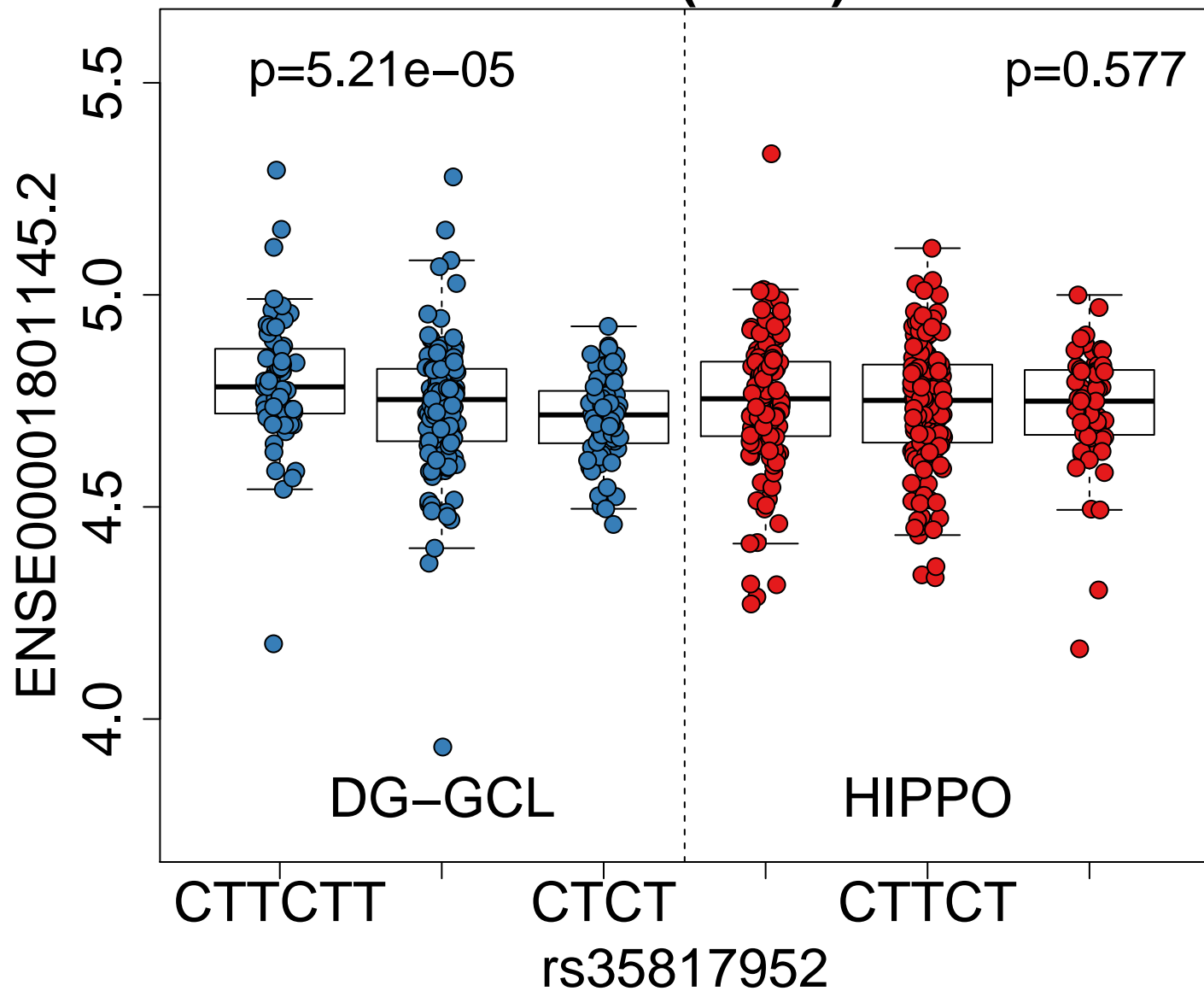
Index: rs2410572 ($R^2=0.832$)

PSD3 (Exon)



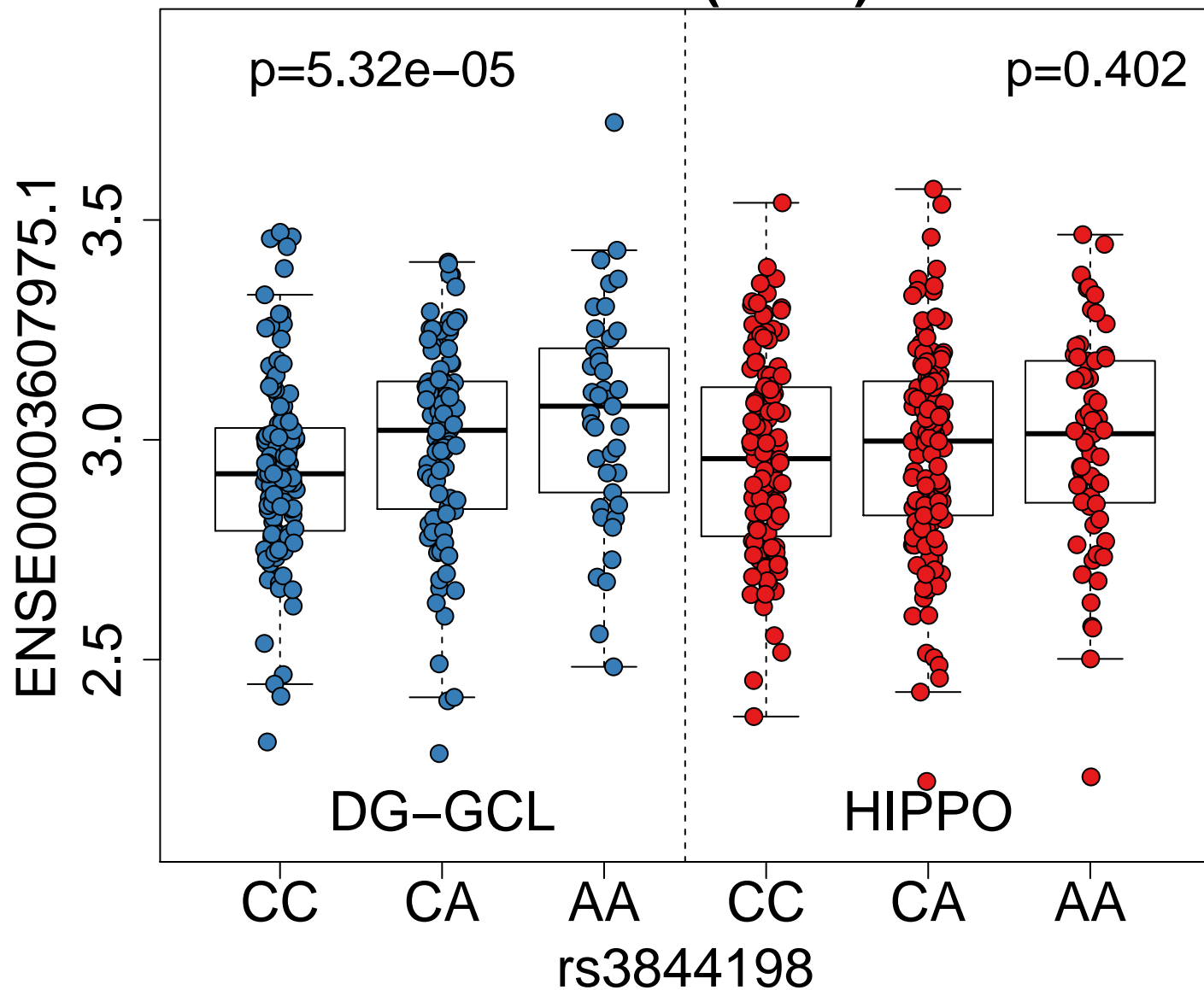
Index: rs2410572 ($R^2=0.832$)

PSD3 (Exon)



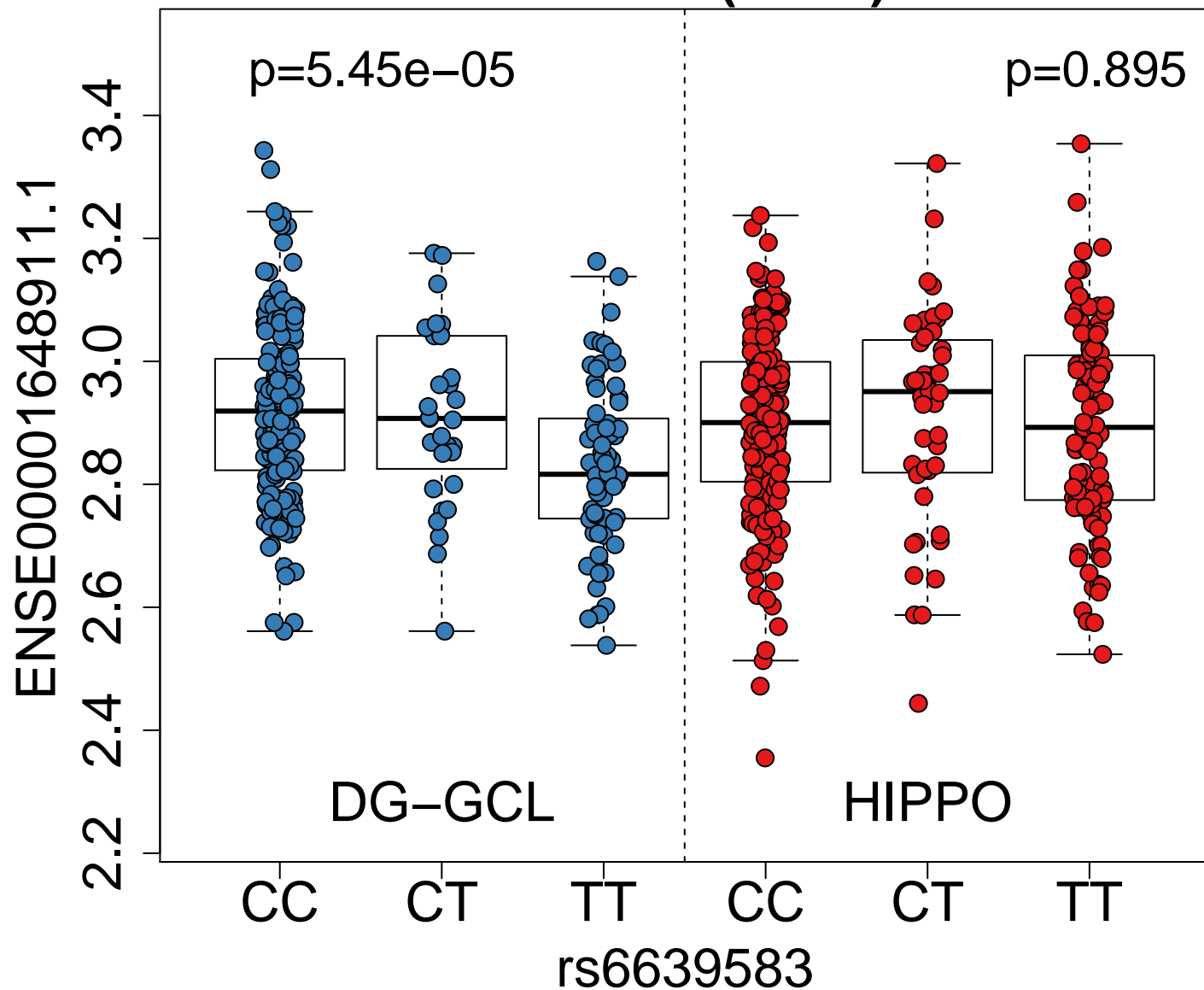
Index: rs7010876 ($R^2=0.848$)

MMP16 (Exon)



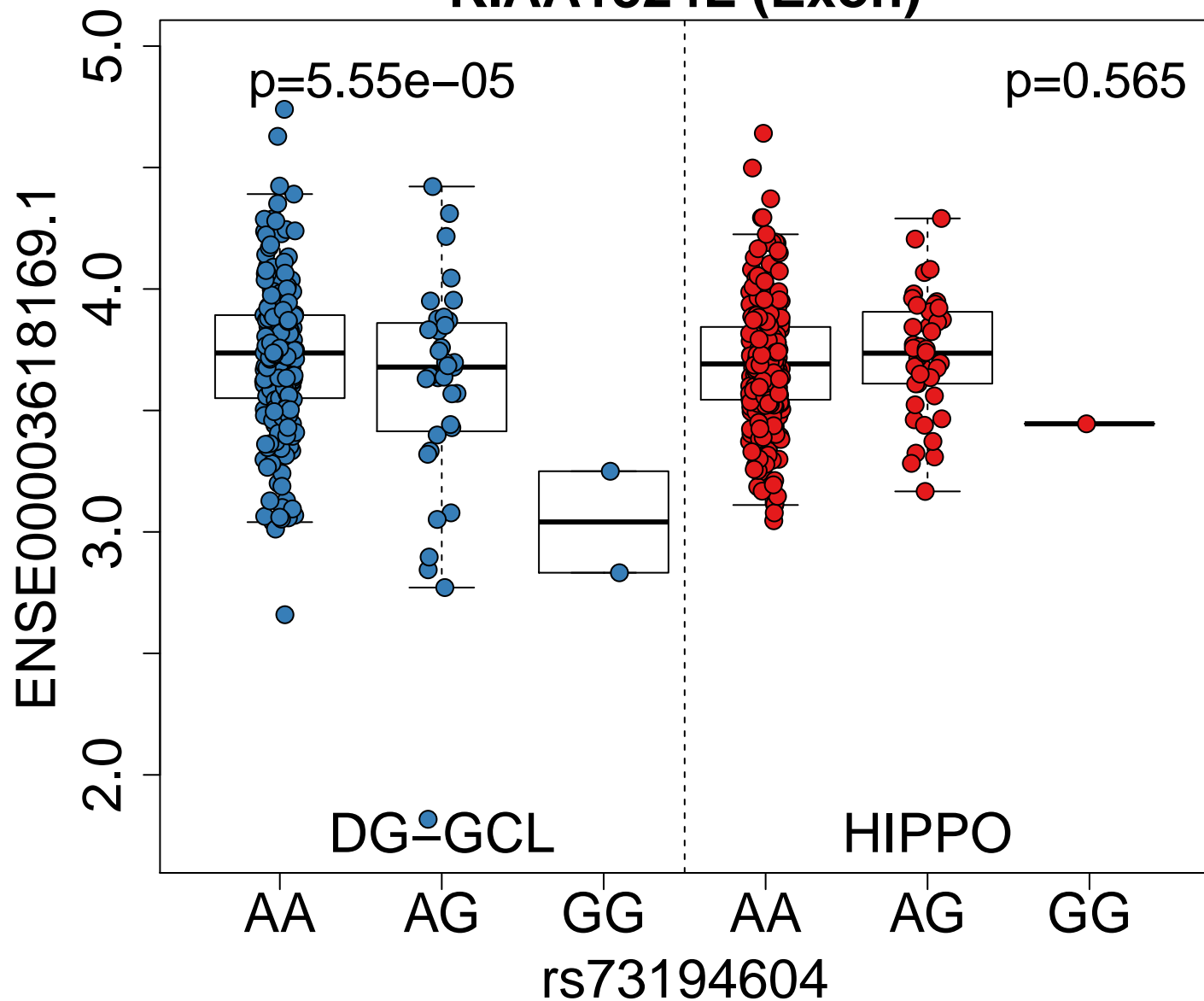
Index: rs12009217 ($R^2=0.809$)

NLGN4X (Exon)



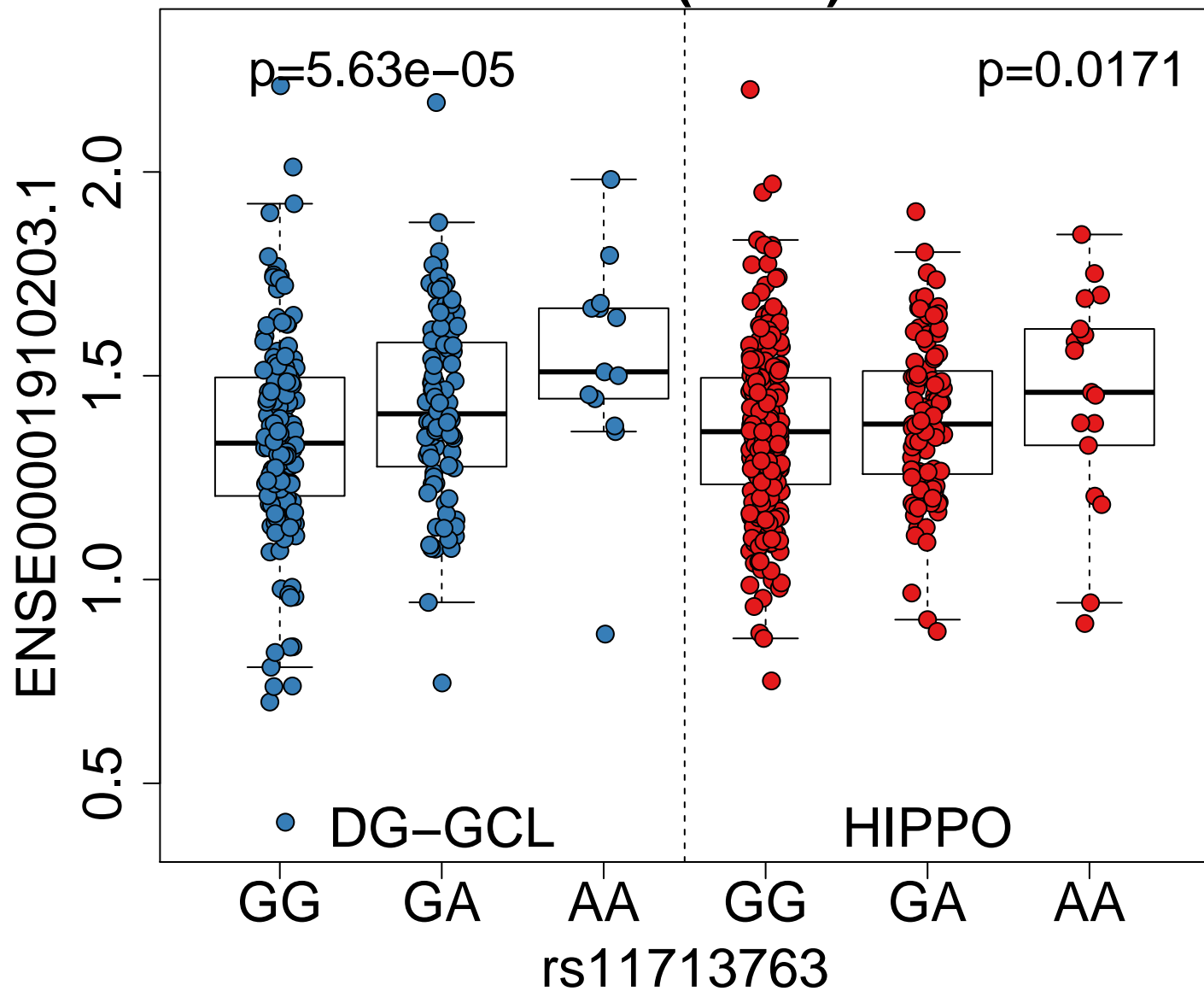
Index: rs147922658 ($R^2=0.802$)

KIAA1324L (Exon)



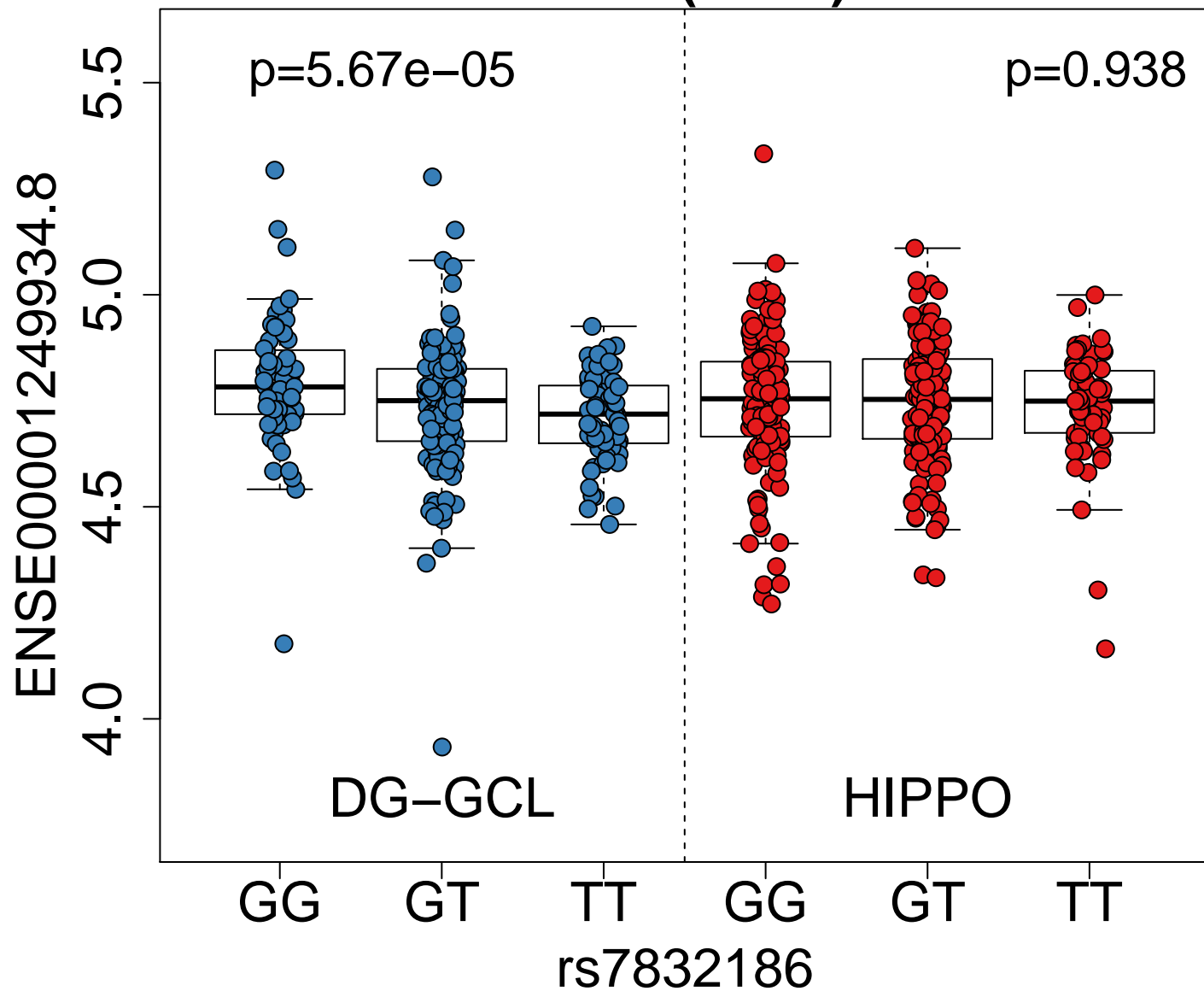
Index: rs1080500 ($R^2=0.941$)

ITIH4 (Exon)



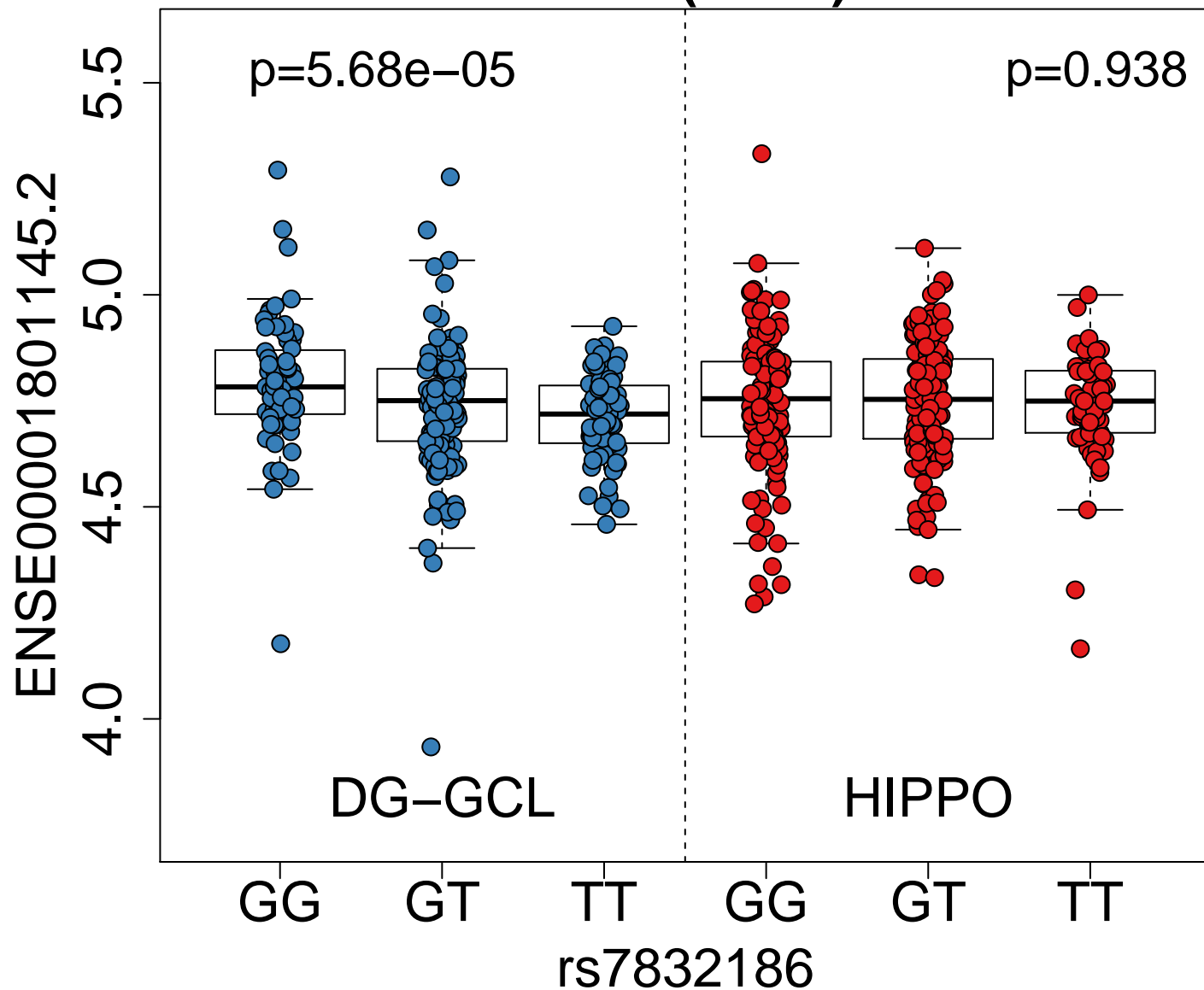
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



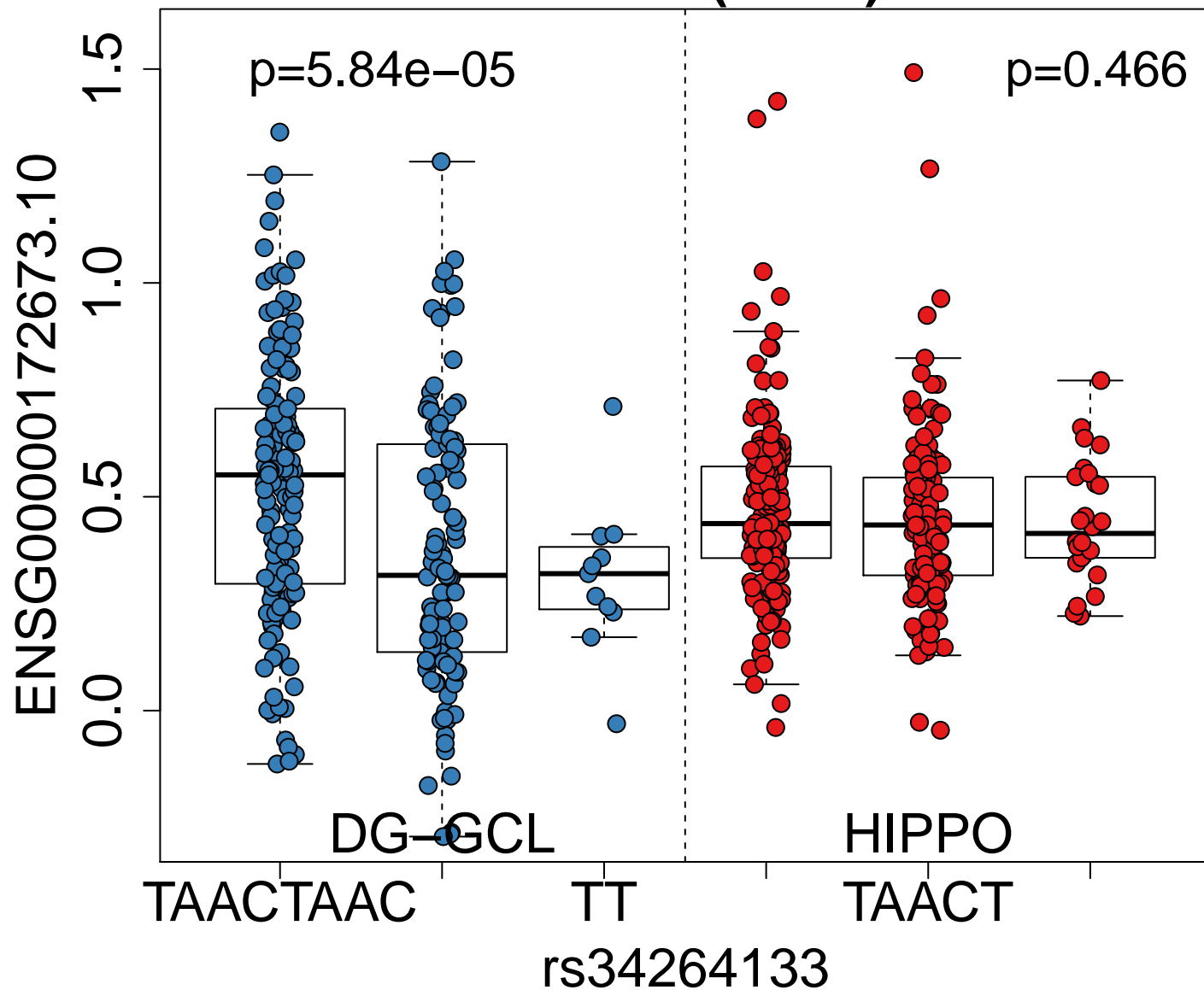
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)

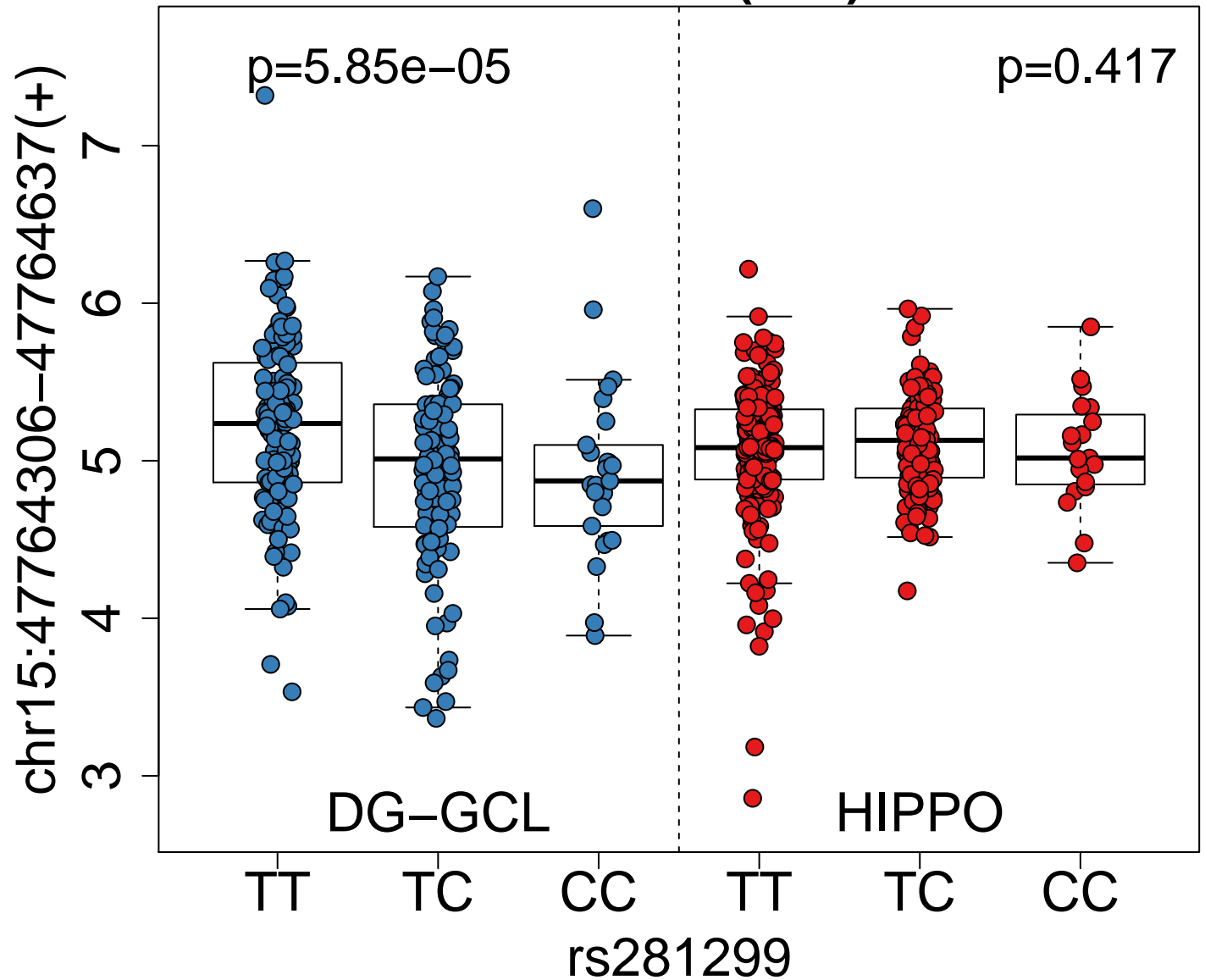


Index: rs35736453 ($R^2=0.957$)

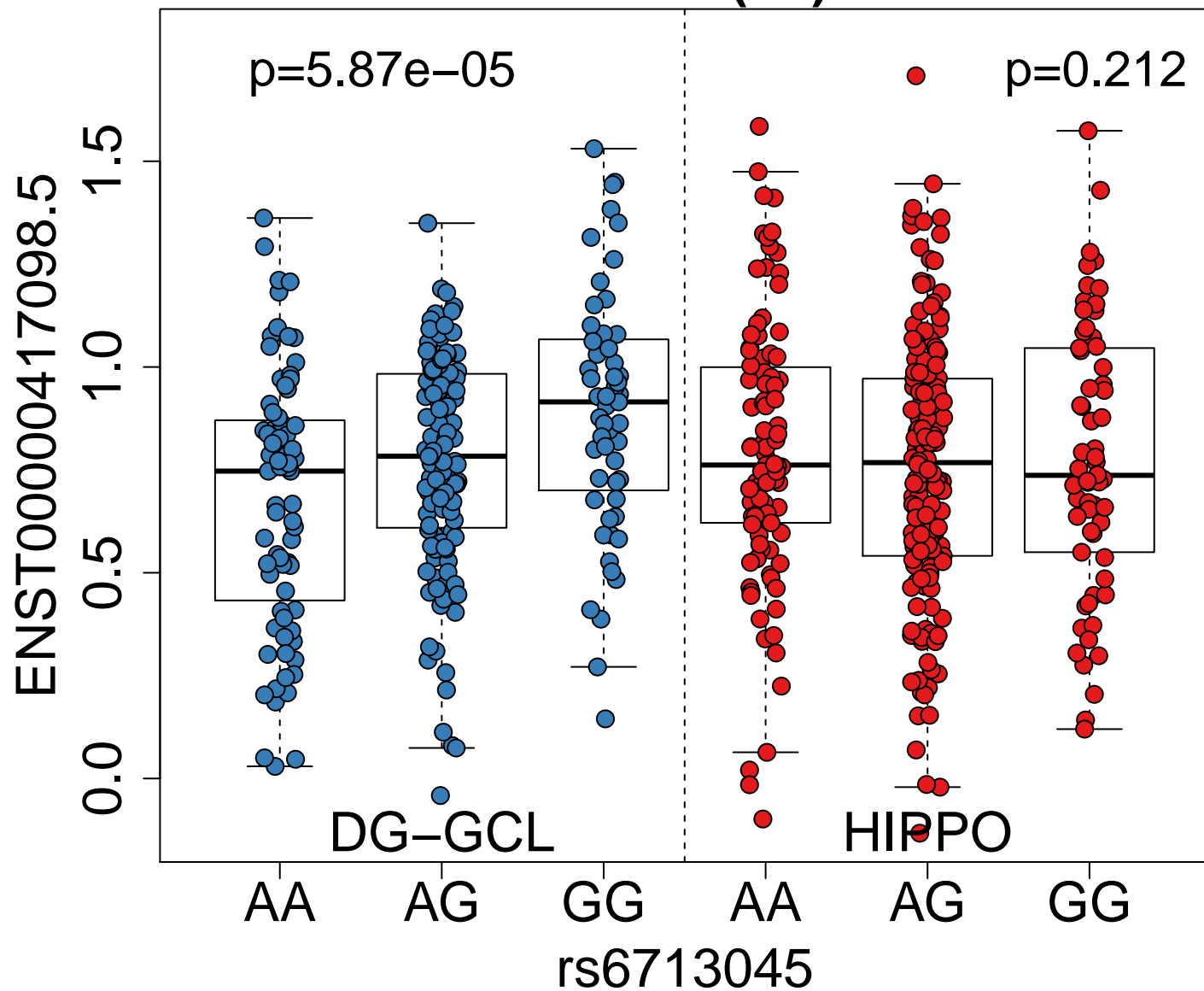
THEMIS (Gene)



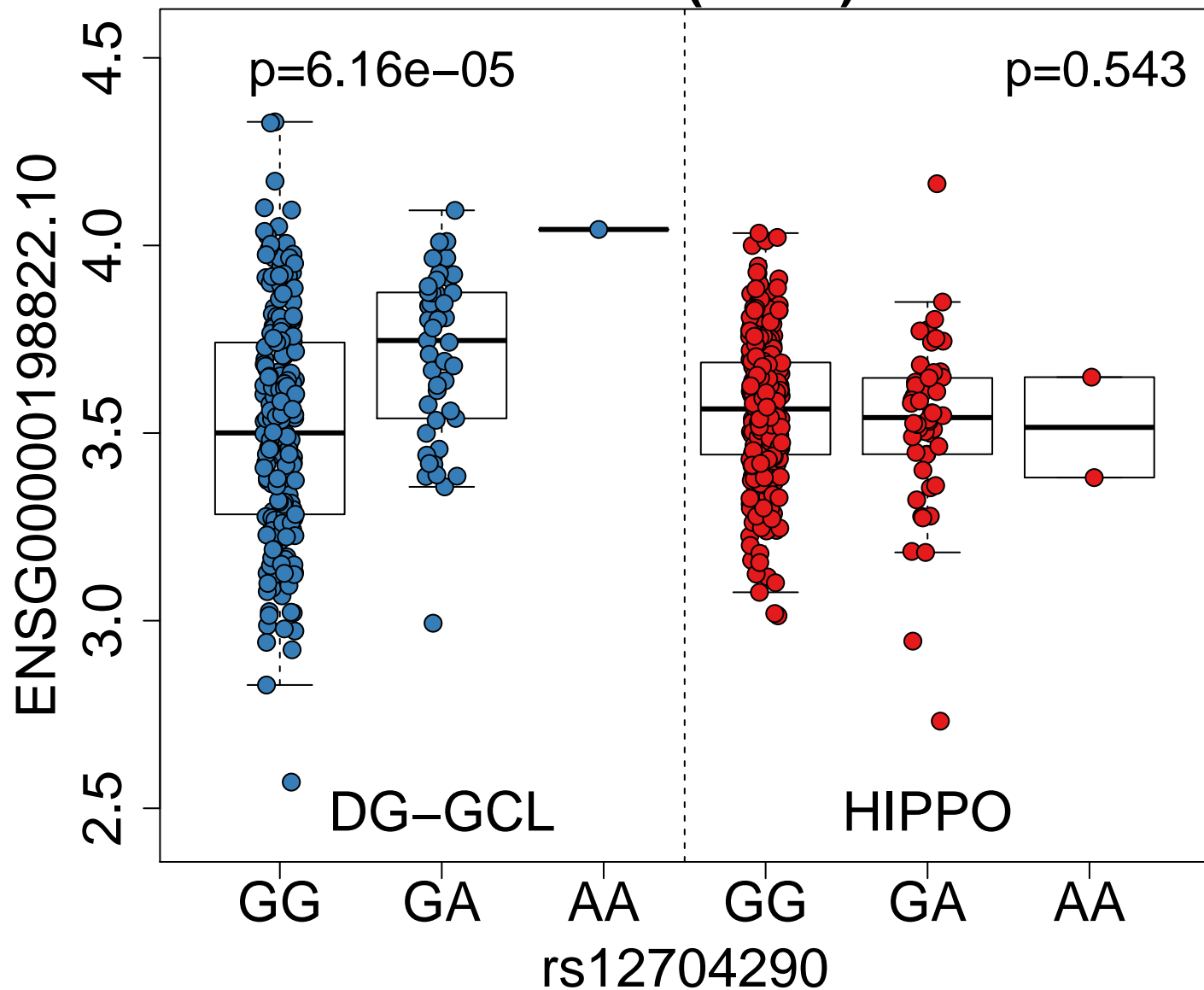
Index: rs281299 ($R^2=1$)
SEMA6D (Jxn)



Index: rs1451488 ($R^2=0.835$)
SATB2 (Tx)



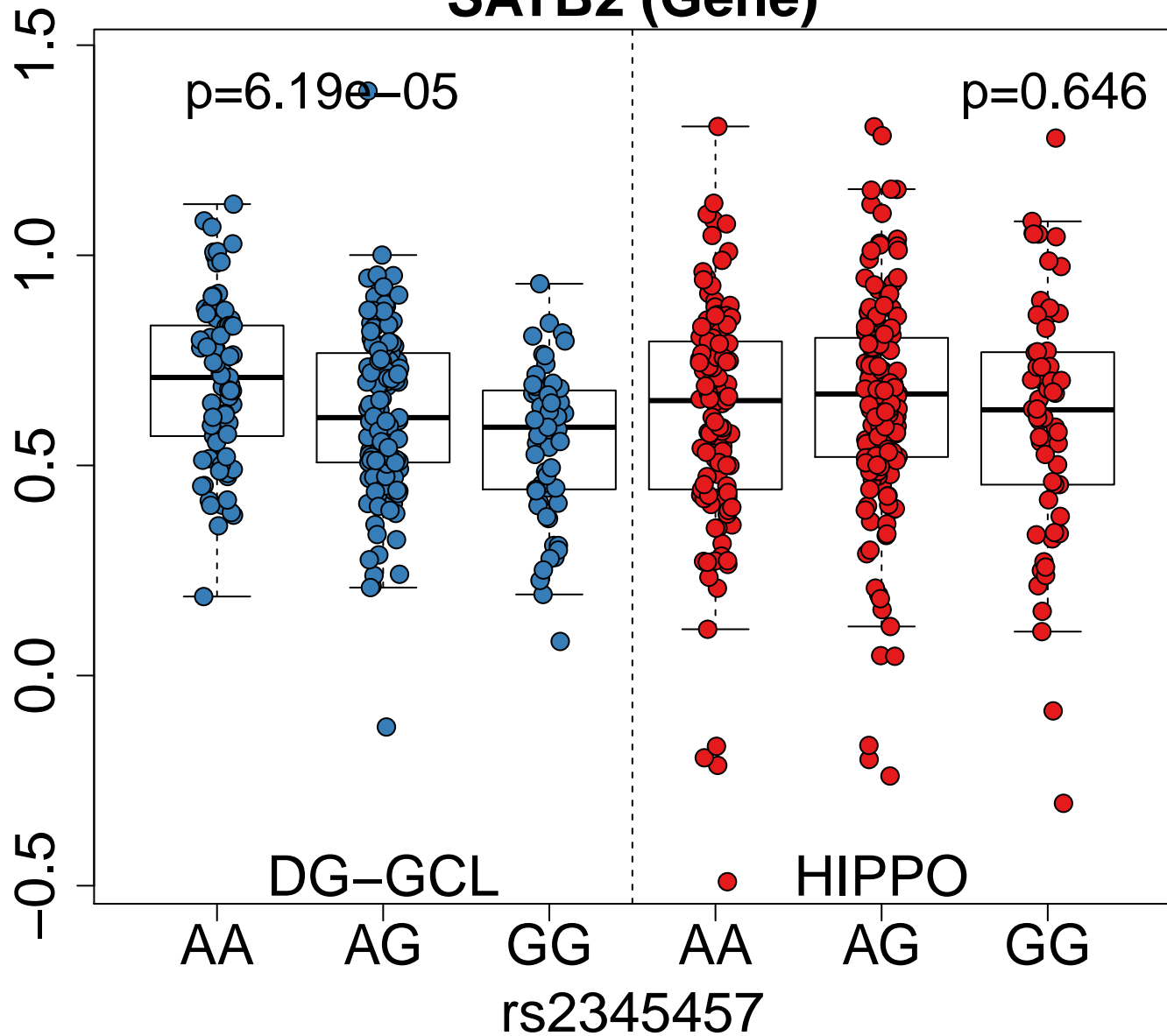
Index: rs12704290 ($R^2=1$)
GRM3 (Gene)



Index: rs1451488 ($R^2=0.88$)

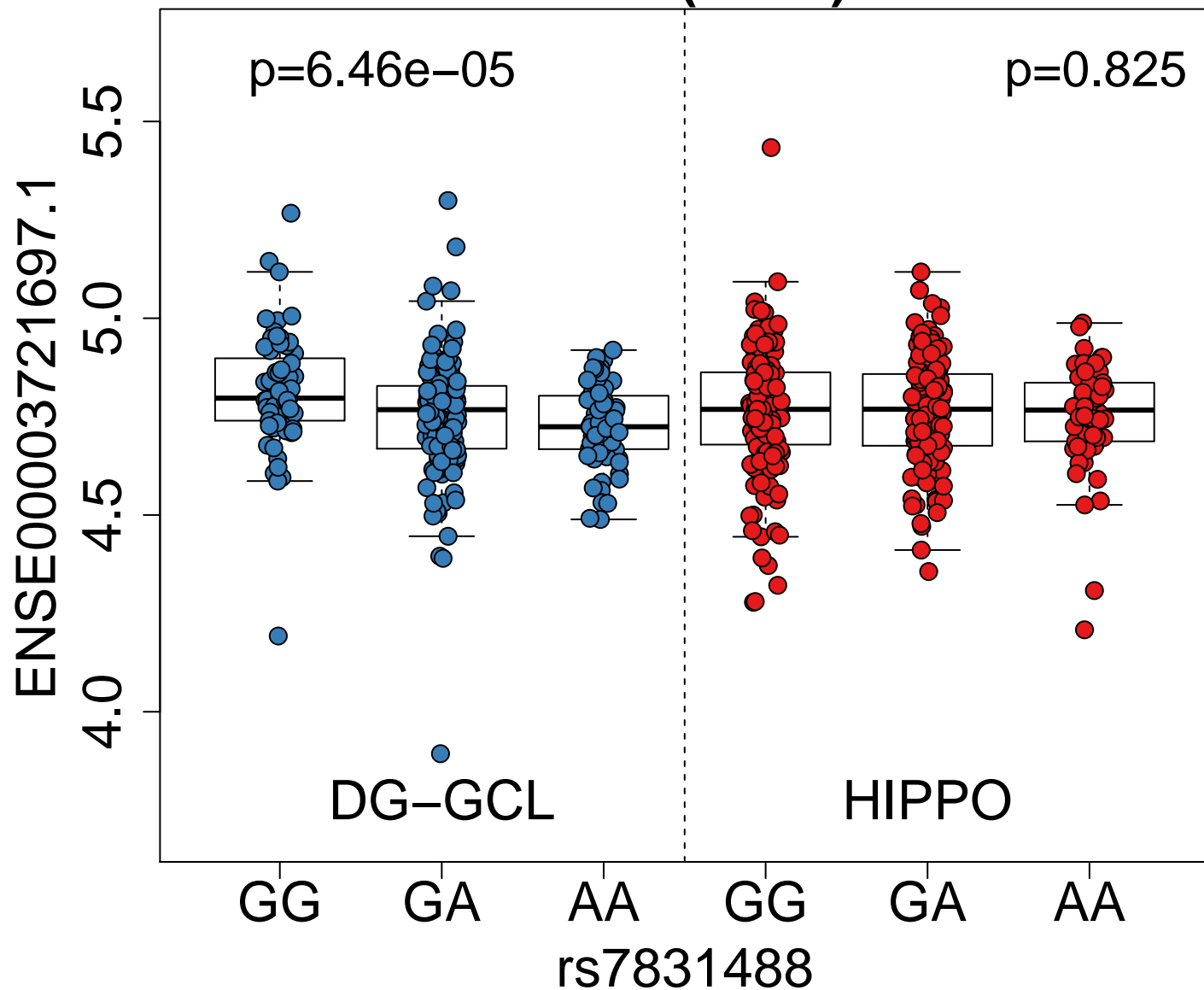
SATB2 (Gene)

ENSG00000119042.16



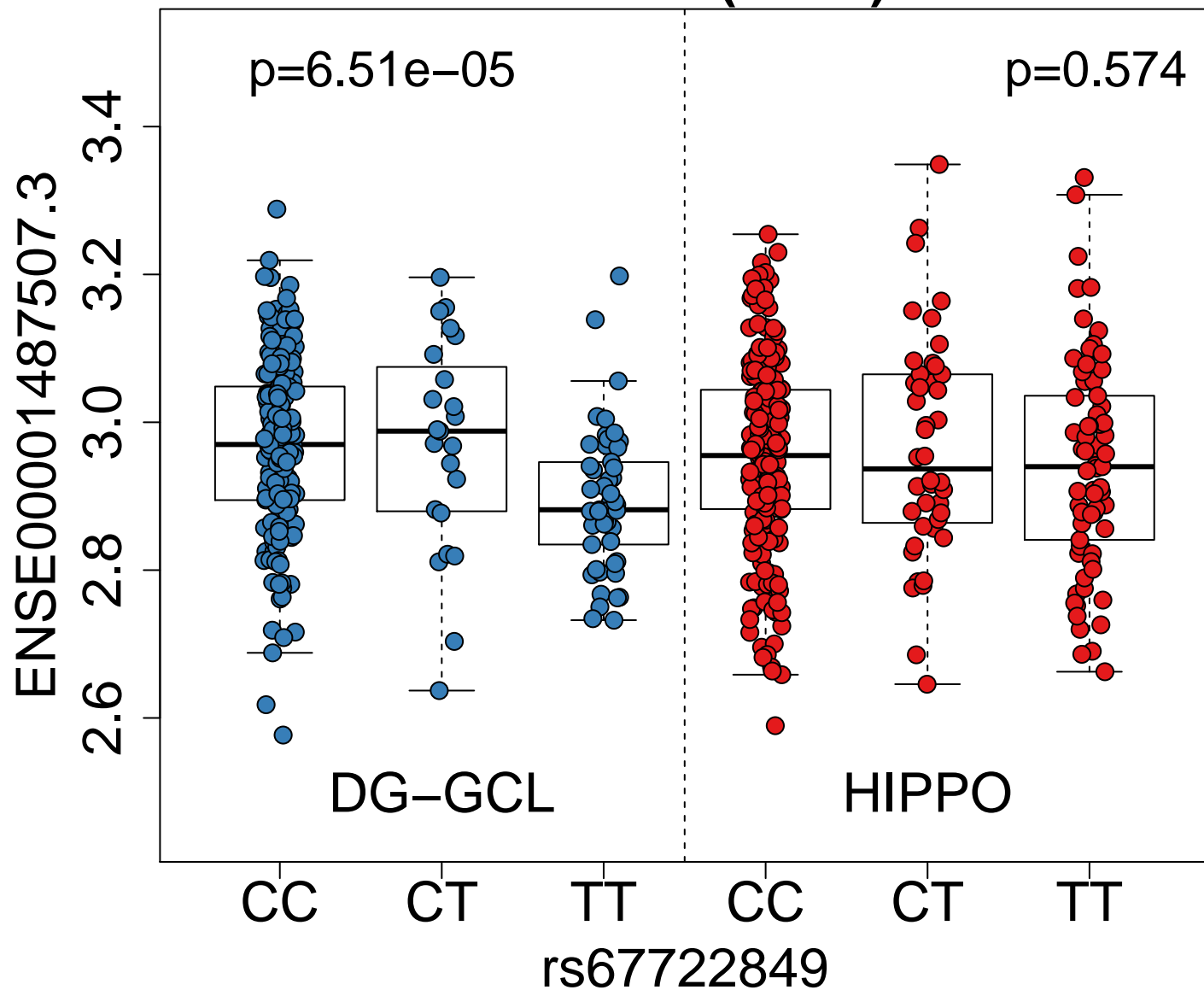
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



Index: rs12009217 ($R^2=0.991$)

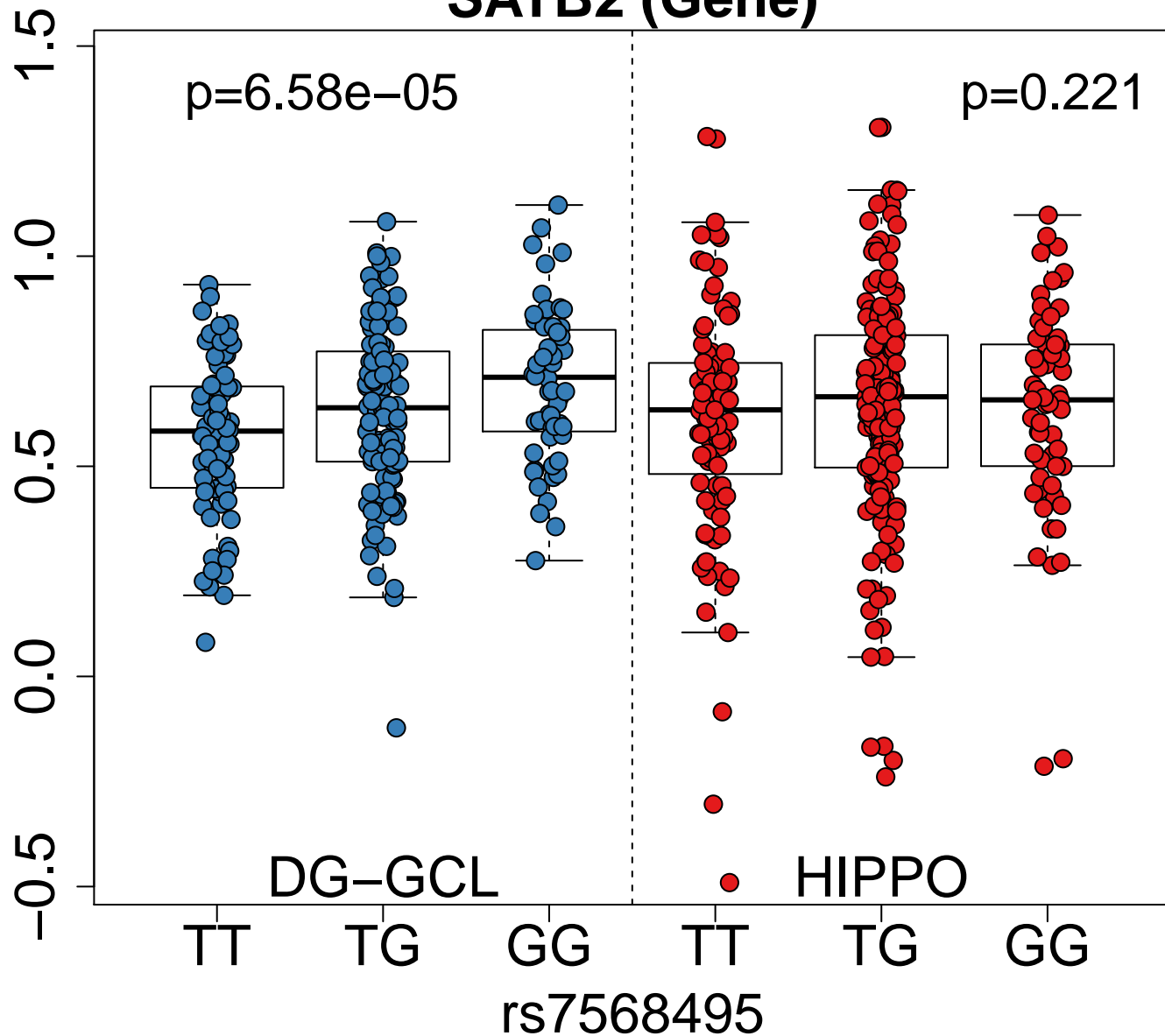
NLGN4X (Exon)



Index: rs1451488 ($R^2=0.911$)

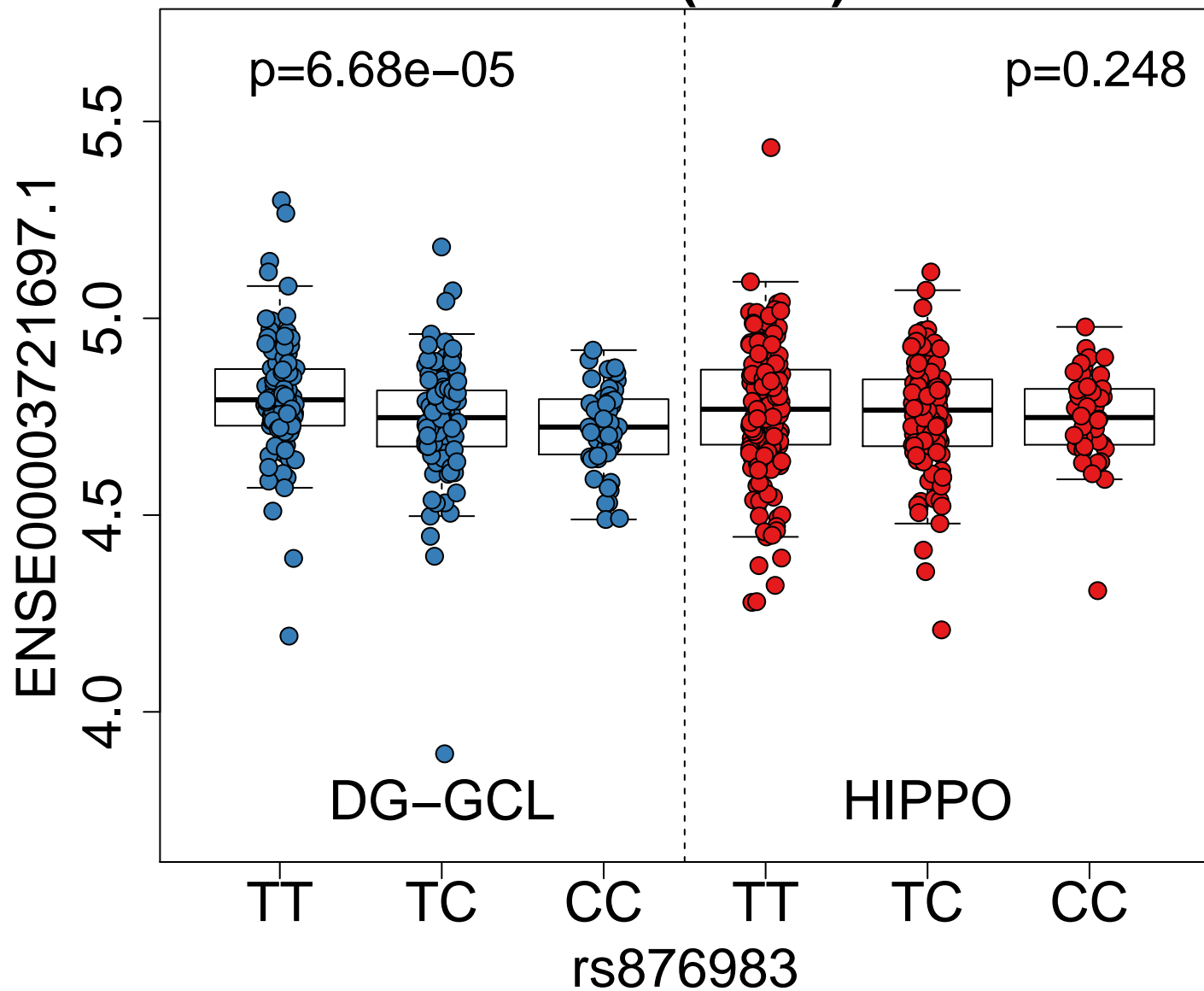
SATB2 (Gene)

ENSG00000119042.16



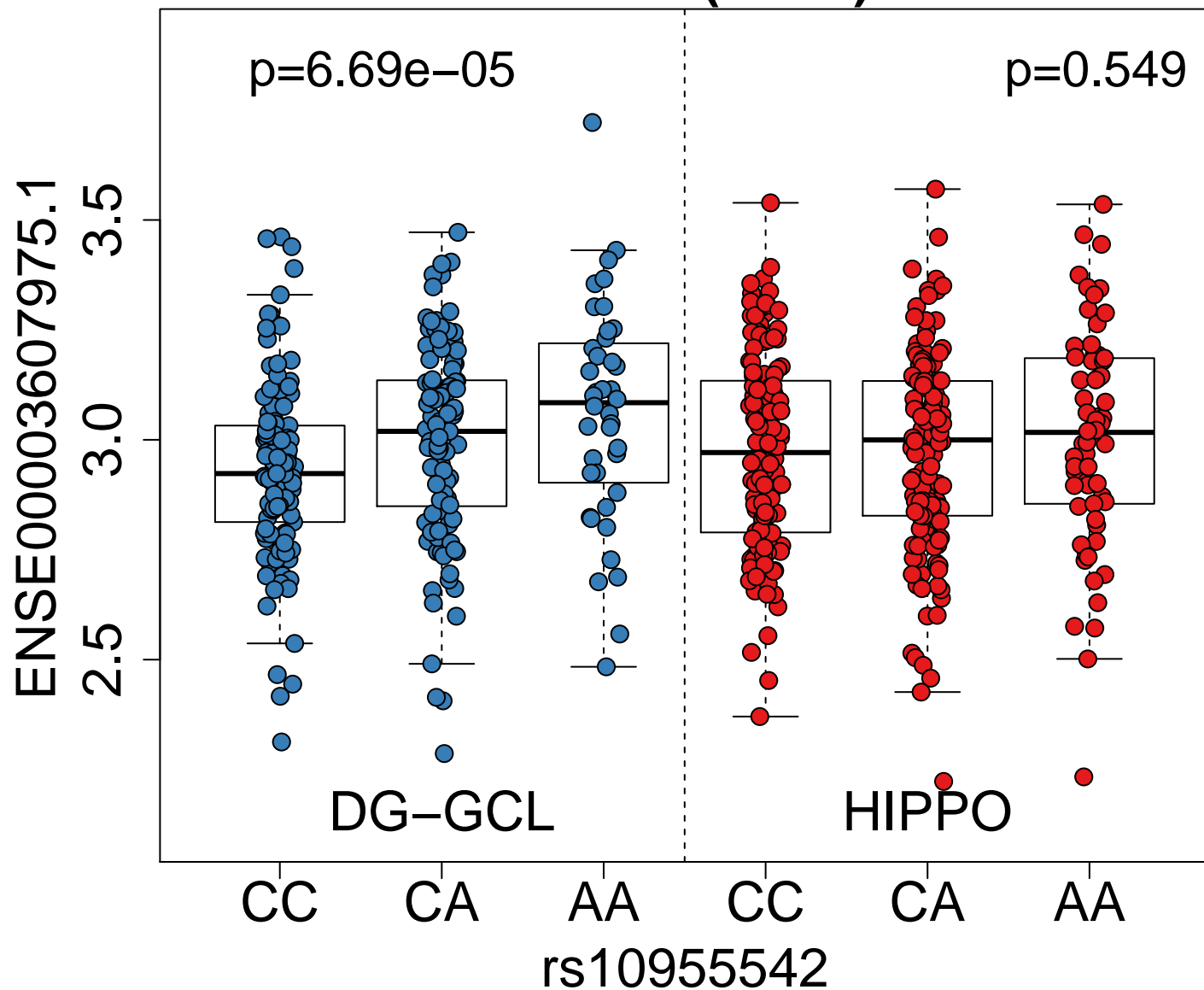
Index: rs2410572 ($R^2=0.844$)

PSD3 (Exon)



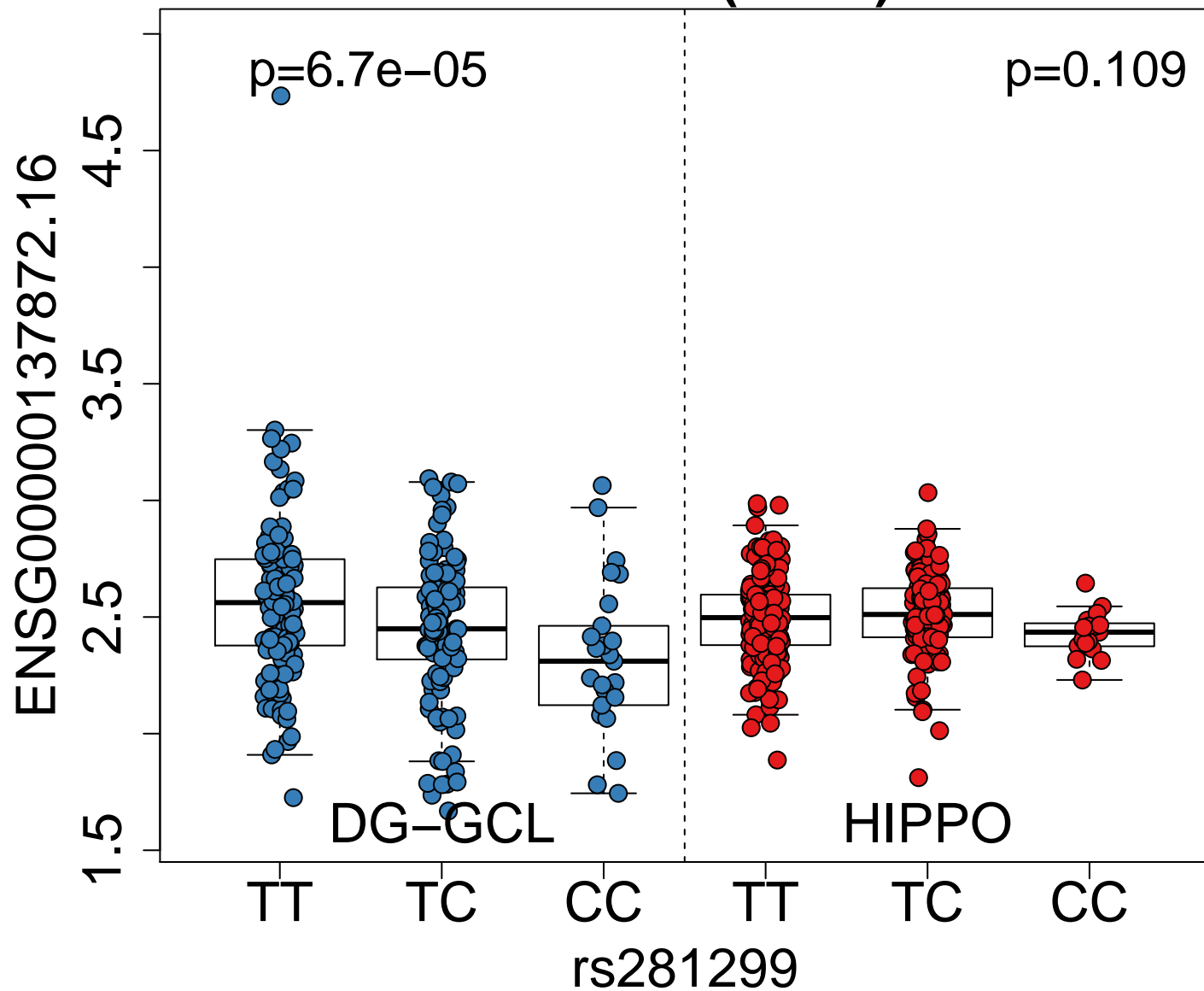
Index: rs7010876 ($R^2=0.843$)

MMP16 (Exon)



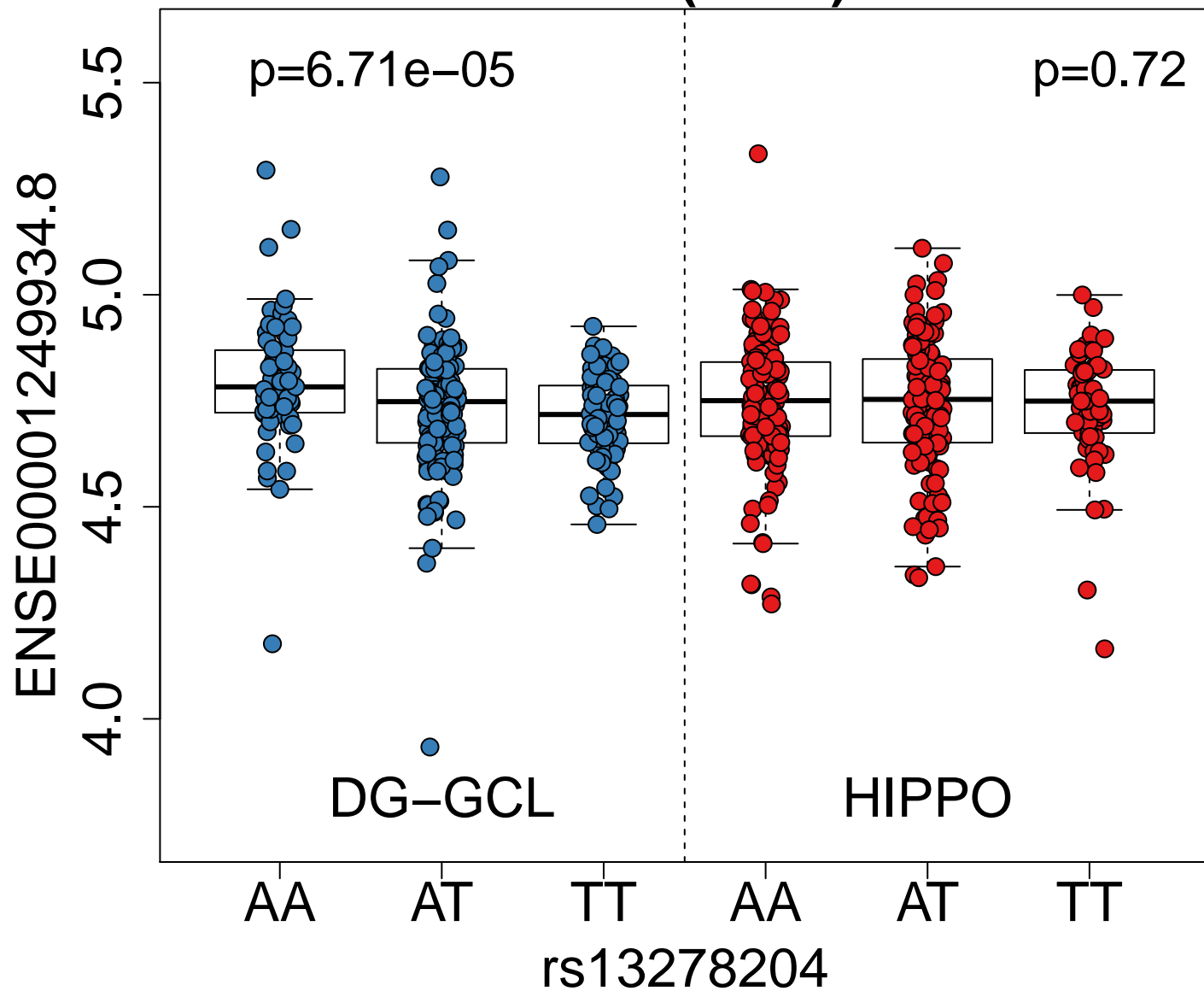
Index: rs281299 ($R^2=1$)

SEMA6D (Gene)



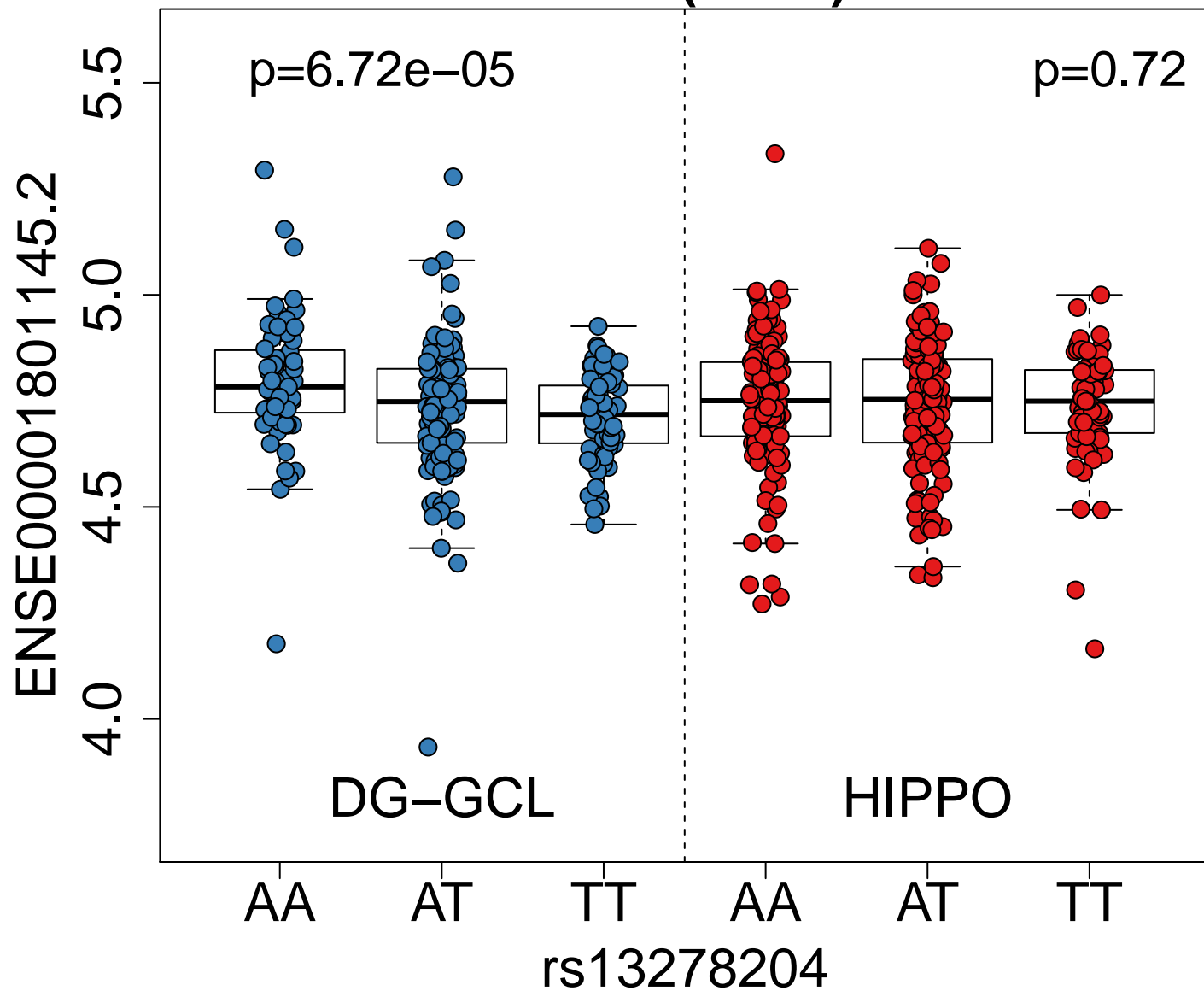
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



Index: rs7010876 ($R^2=0.803$)

MMP16 (Tx)

ENST00000286614.10

2.0 2.5 3.0

$p=6.75e-05$

$p=0.765$

DG-GCL

HIPPO

AA

AT

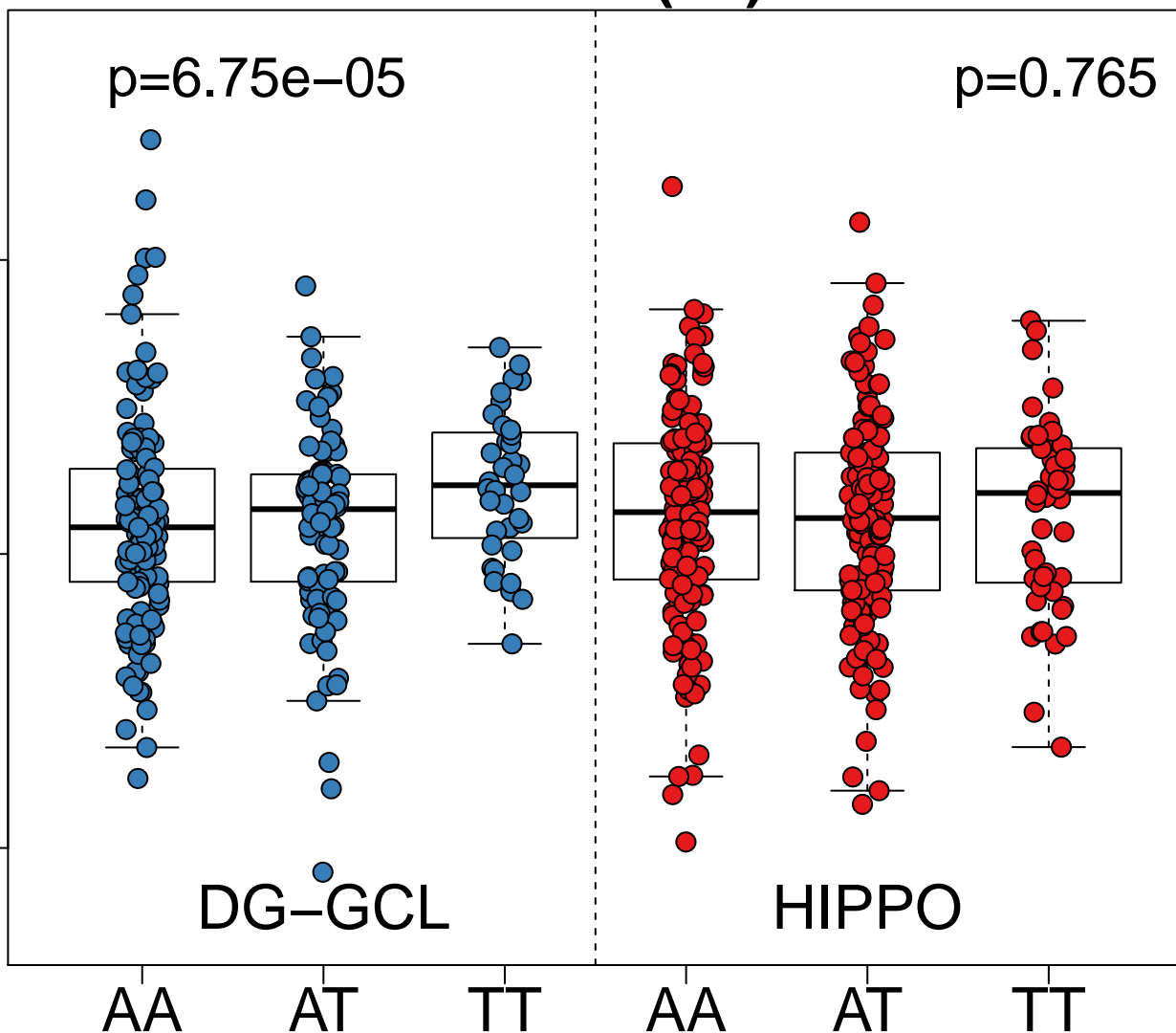
TT

AA

AT

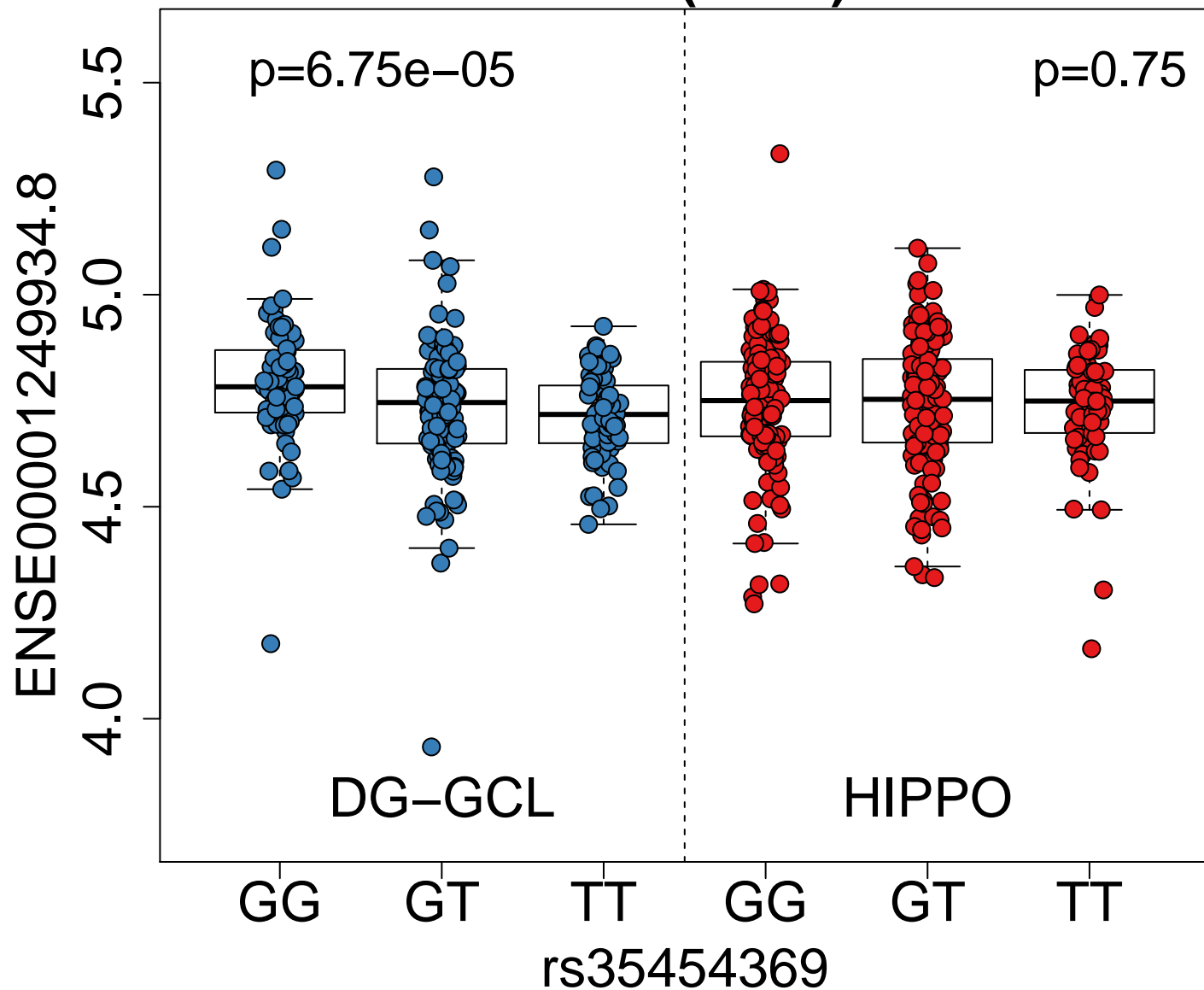
TT

rs11986810



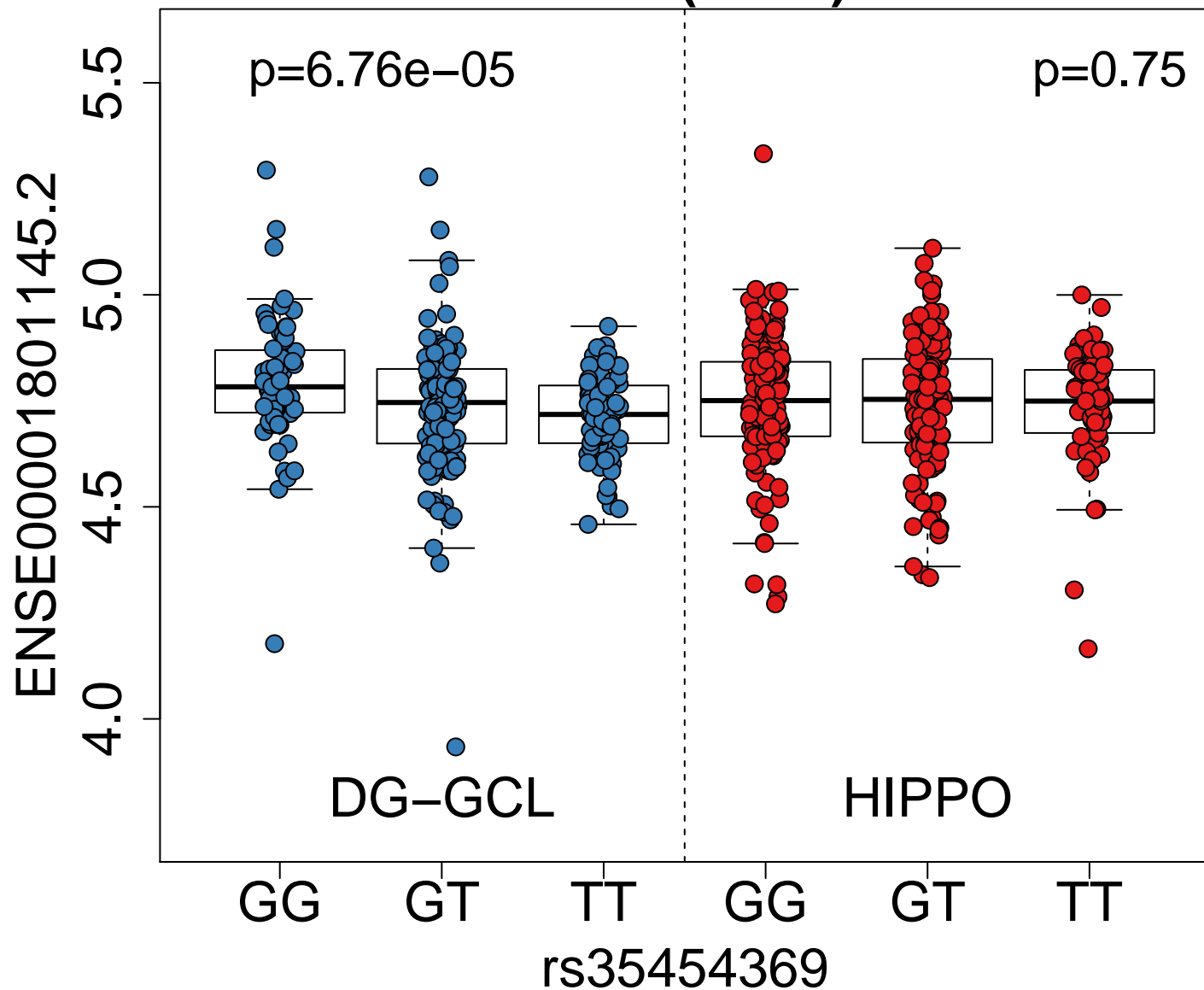
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



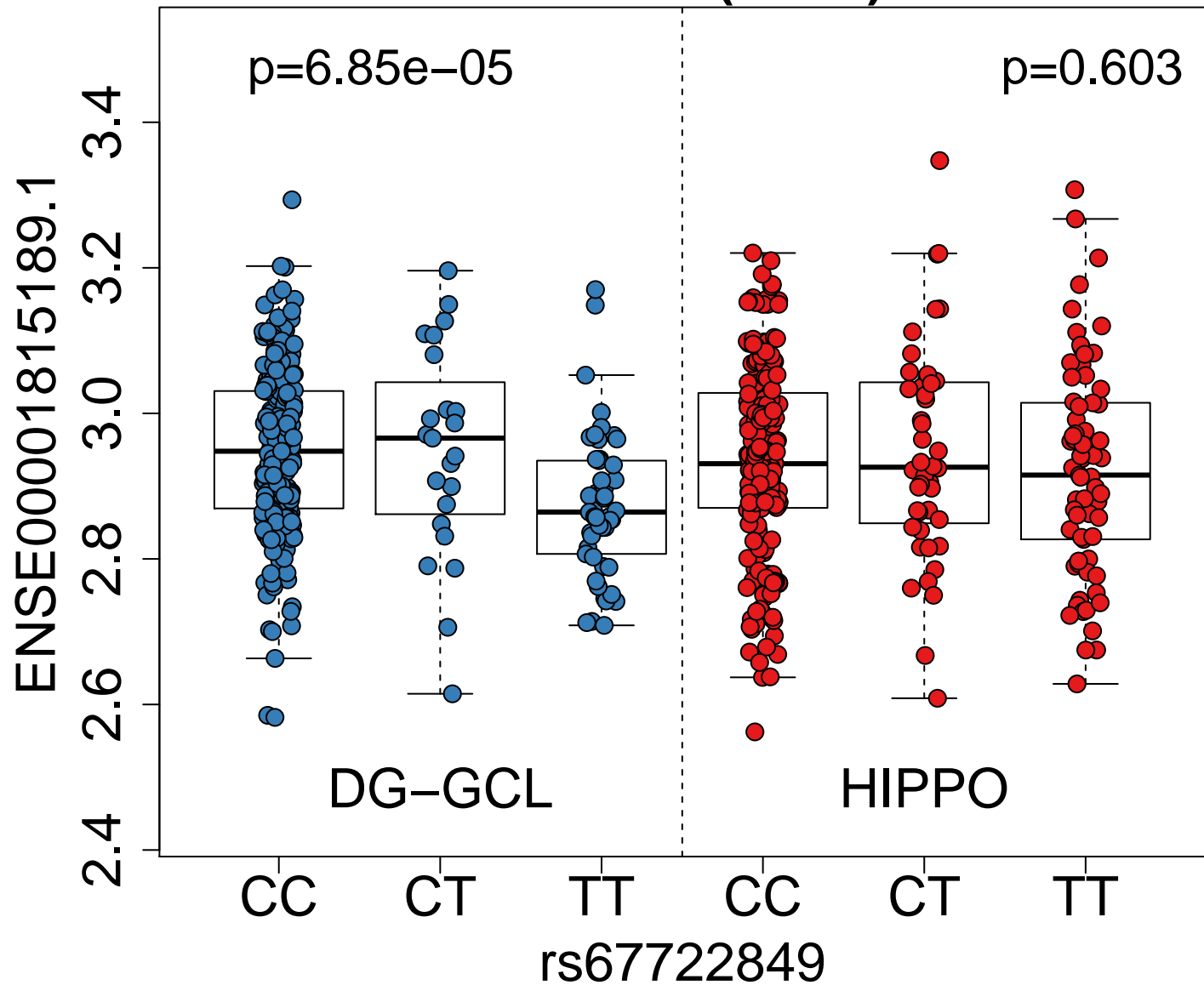
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



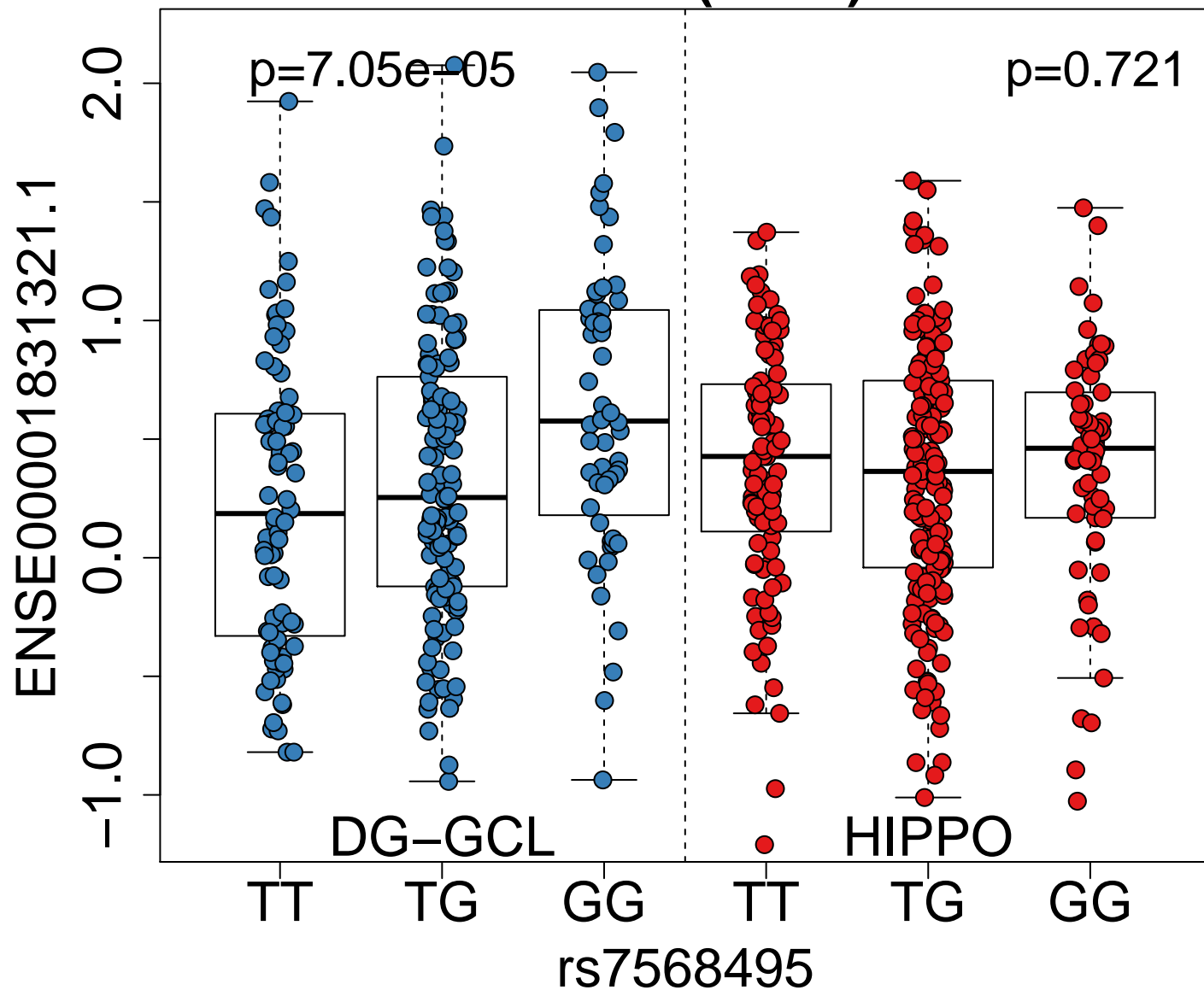
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



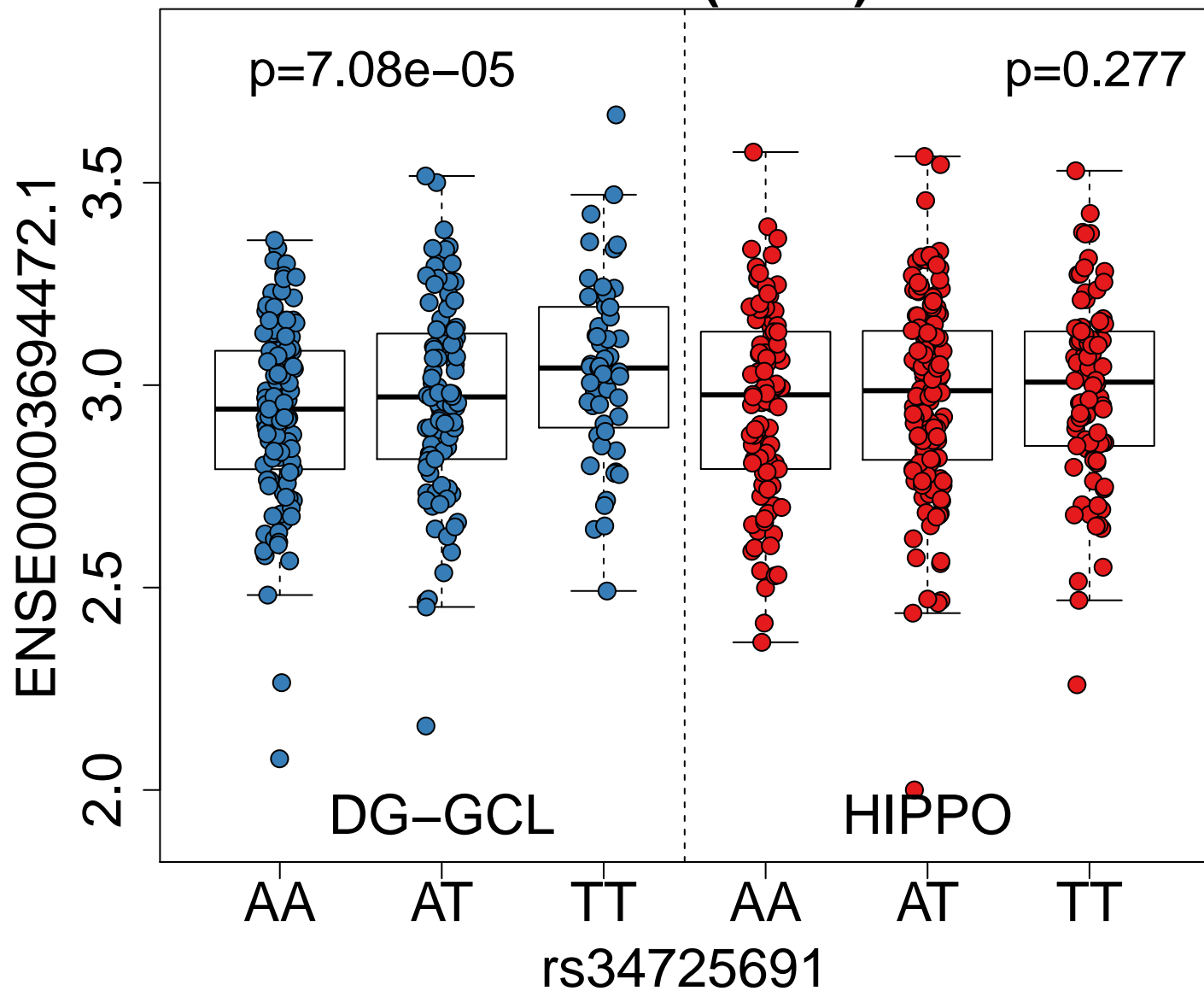
Index: rs1451488 ($R^2=0.911$)

SATB2 (Exon)



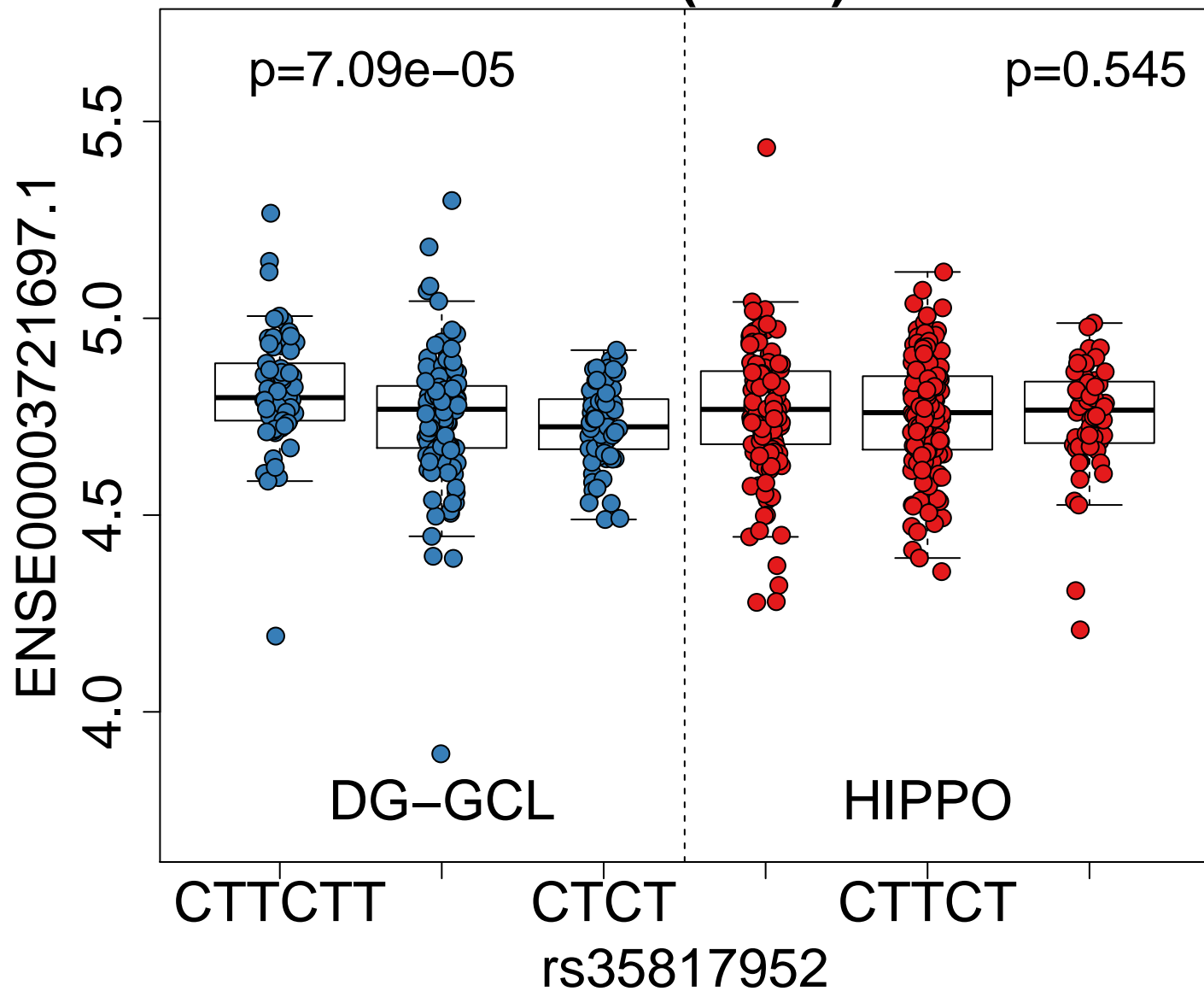
Index: rs7010876 ($R^2=0.996$)

MMP16 (Exon)



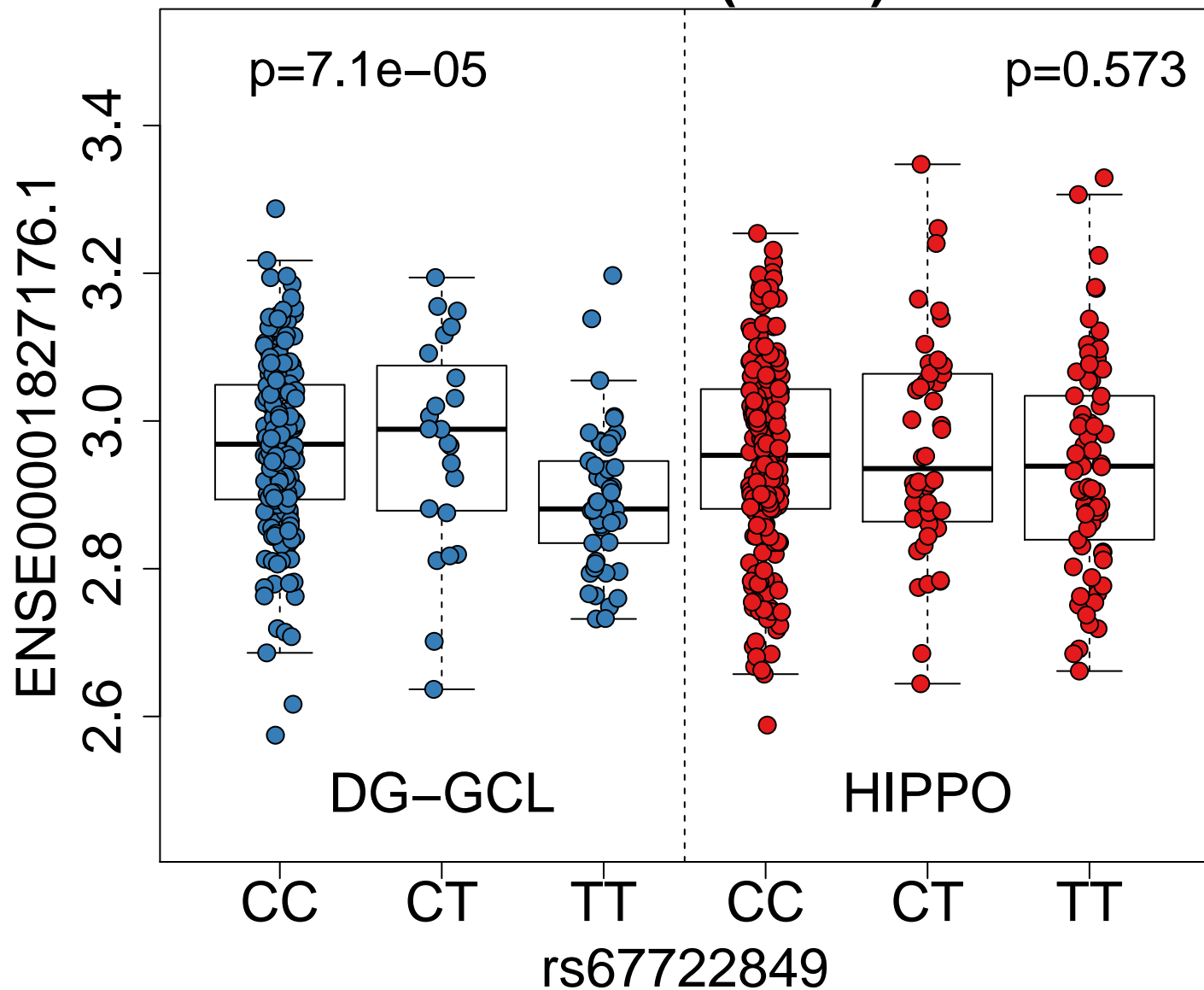
Index: rs2410572 ($R^2=0.832$)

PSD3 (Exon)



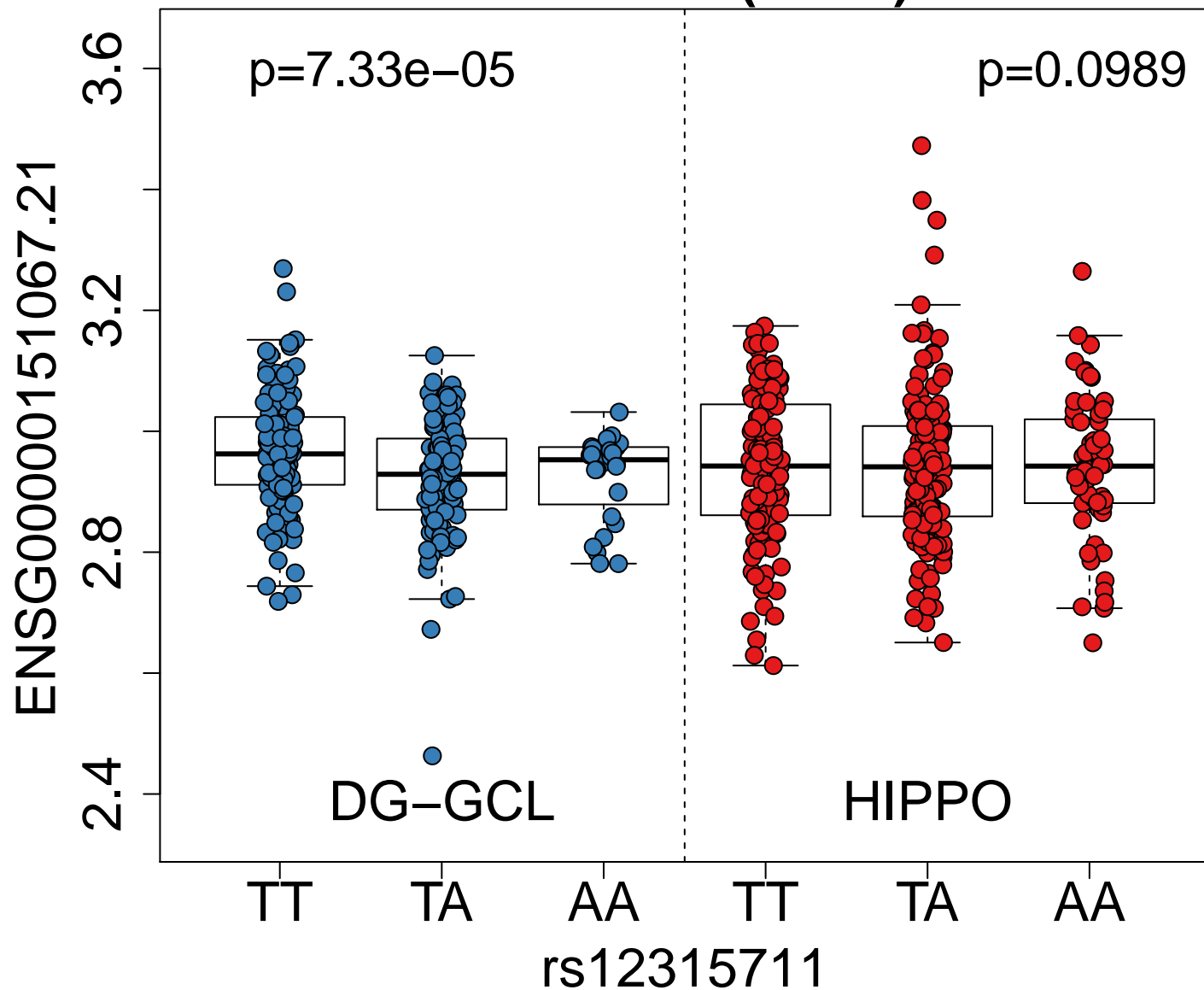
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



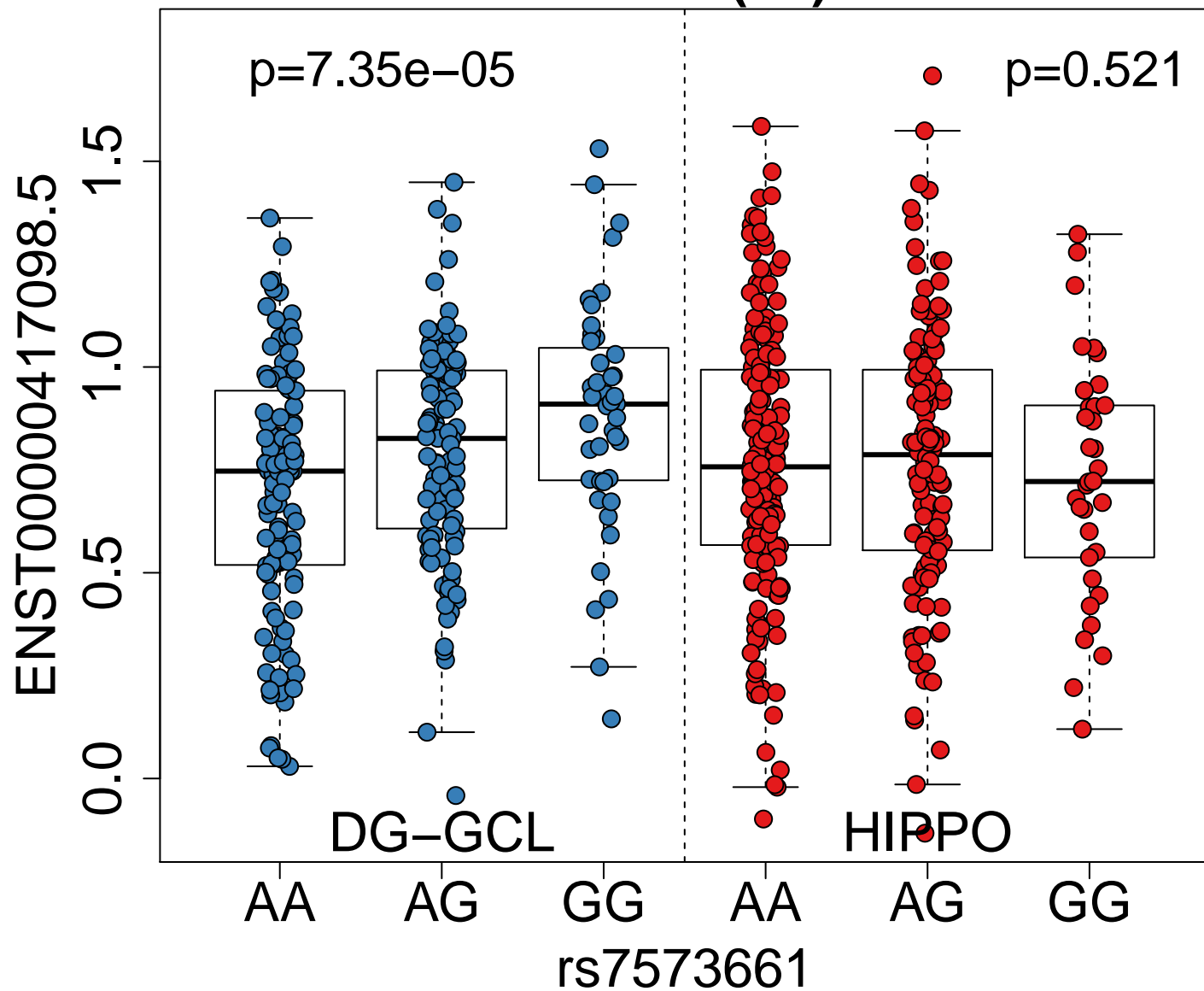
Index: rs2007044 ($R^2=0.801$)

CACNA1C (Gene)



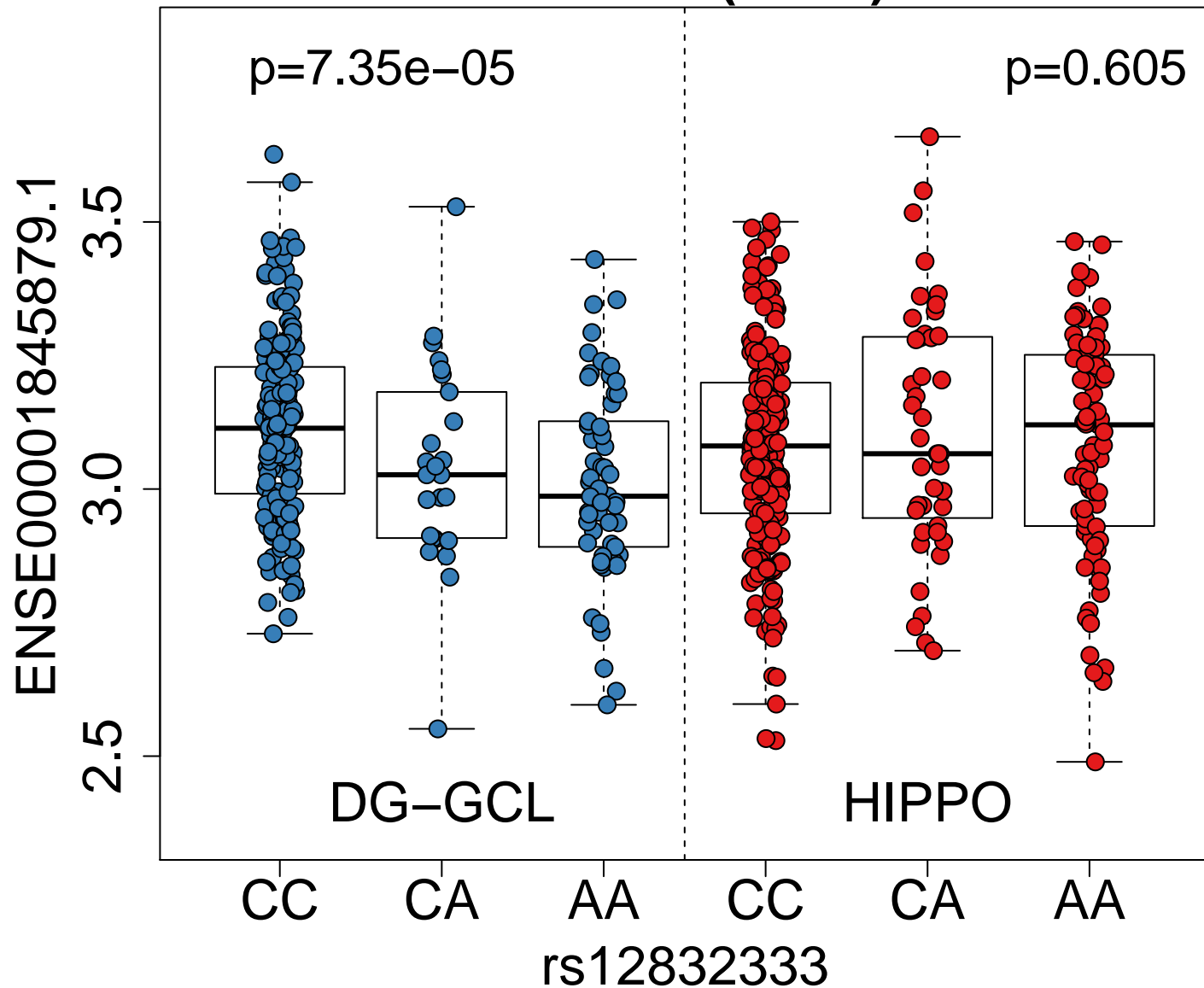
Index: rs1451488 ($R^2=0.907$)

SATB2 (Tx)



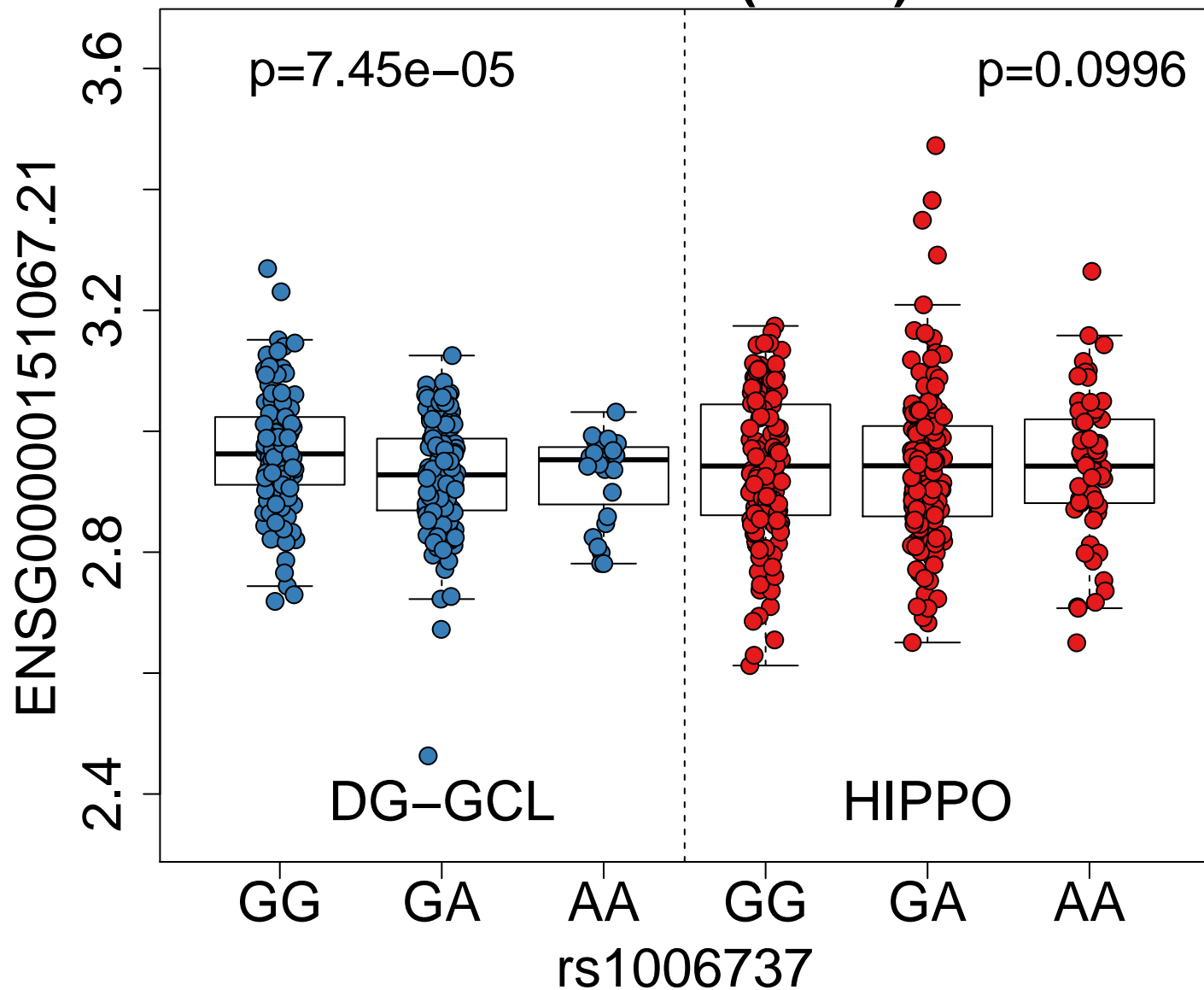
Index: rs12009217 ($R^2=0.984$)

NLGN4X (Exon)



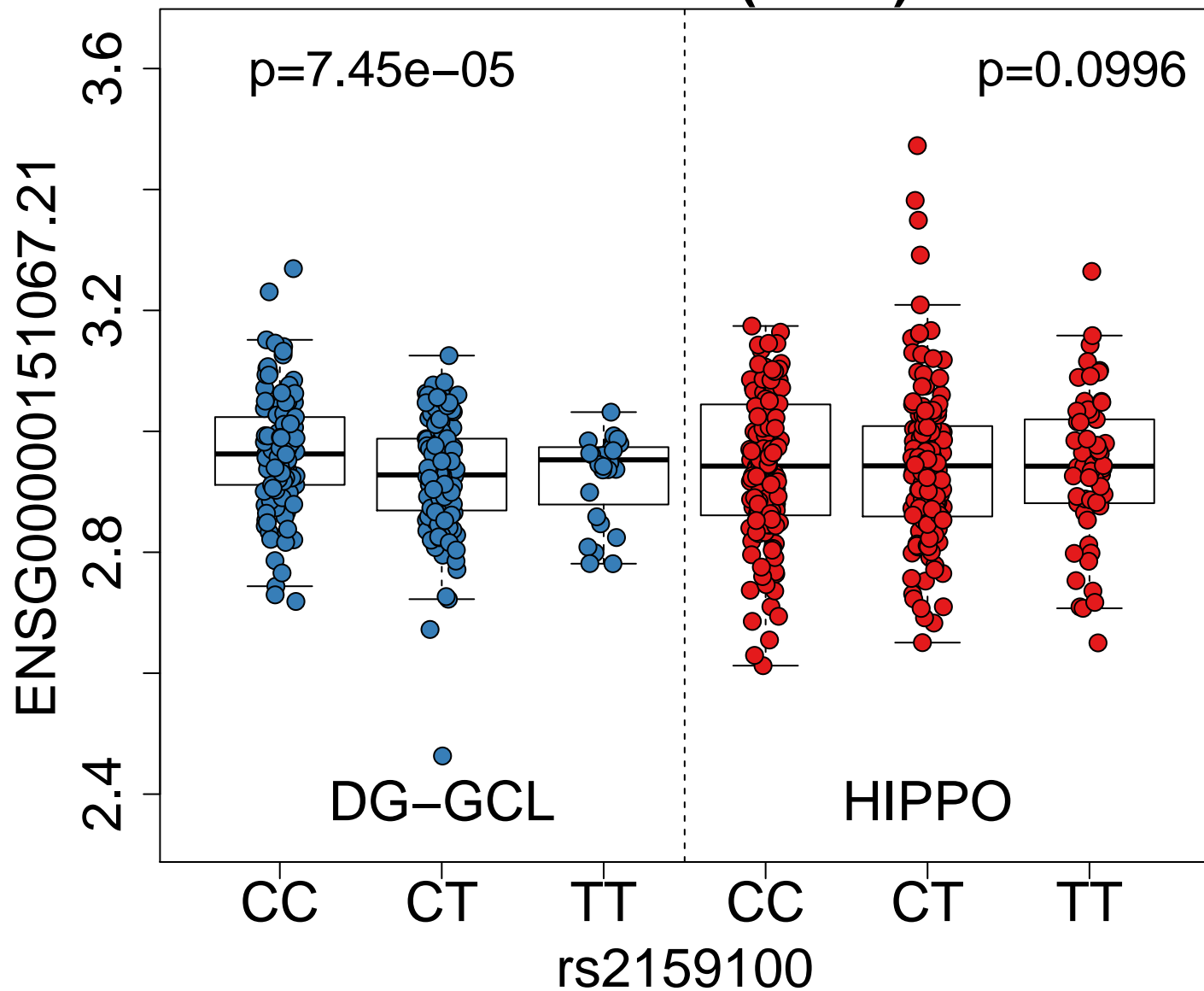
Index: rs2007044 ($R^2=0.801$)

CACNA1C (Gene)



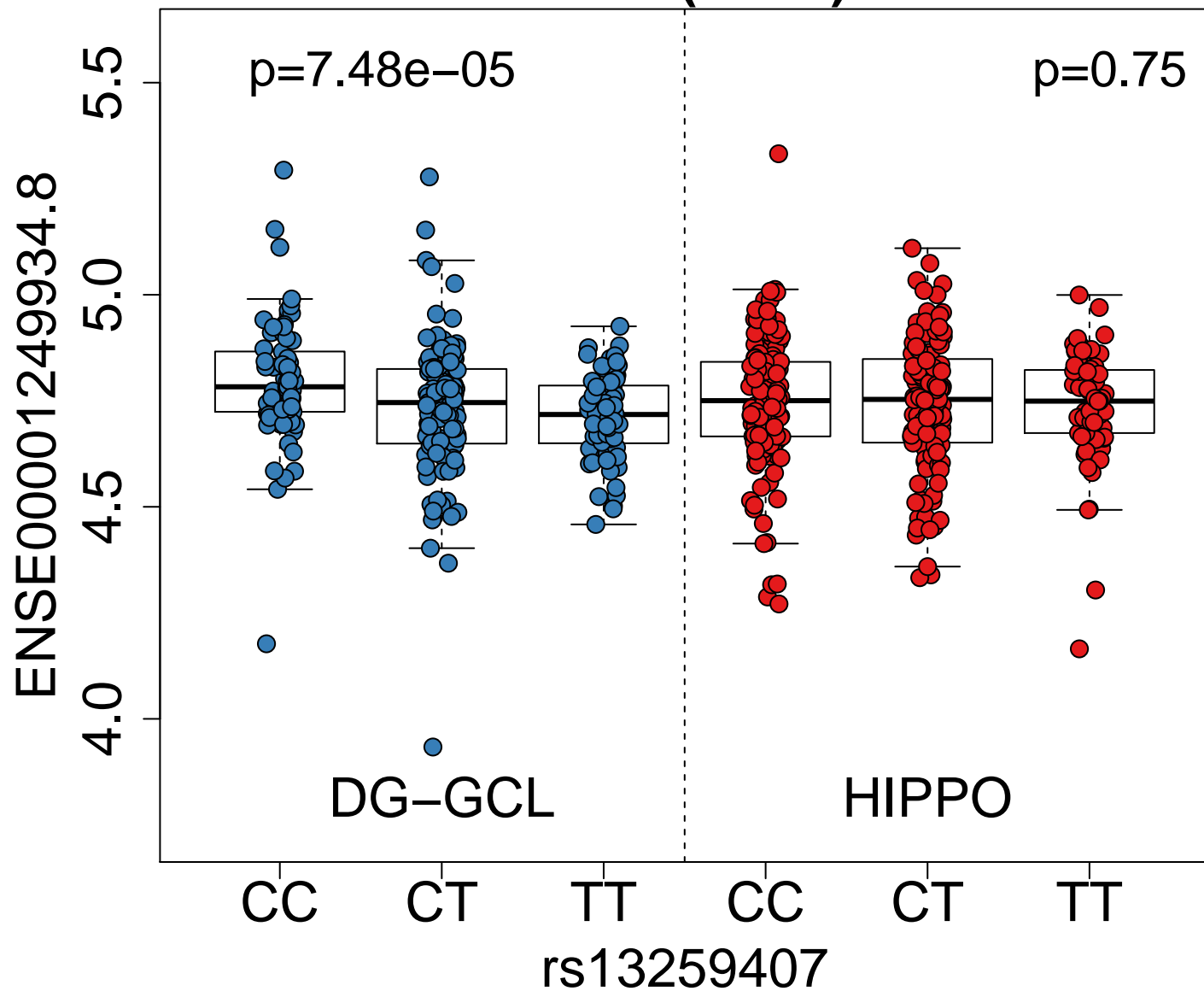
Index: rs2007044 ($R^2=0.801$)

CACNA1C (Gene)



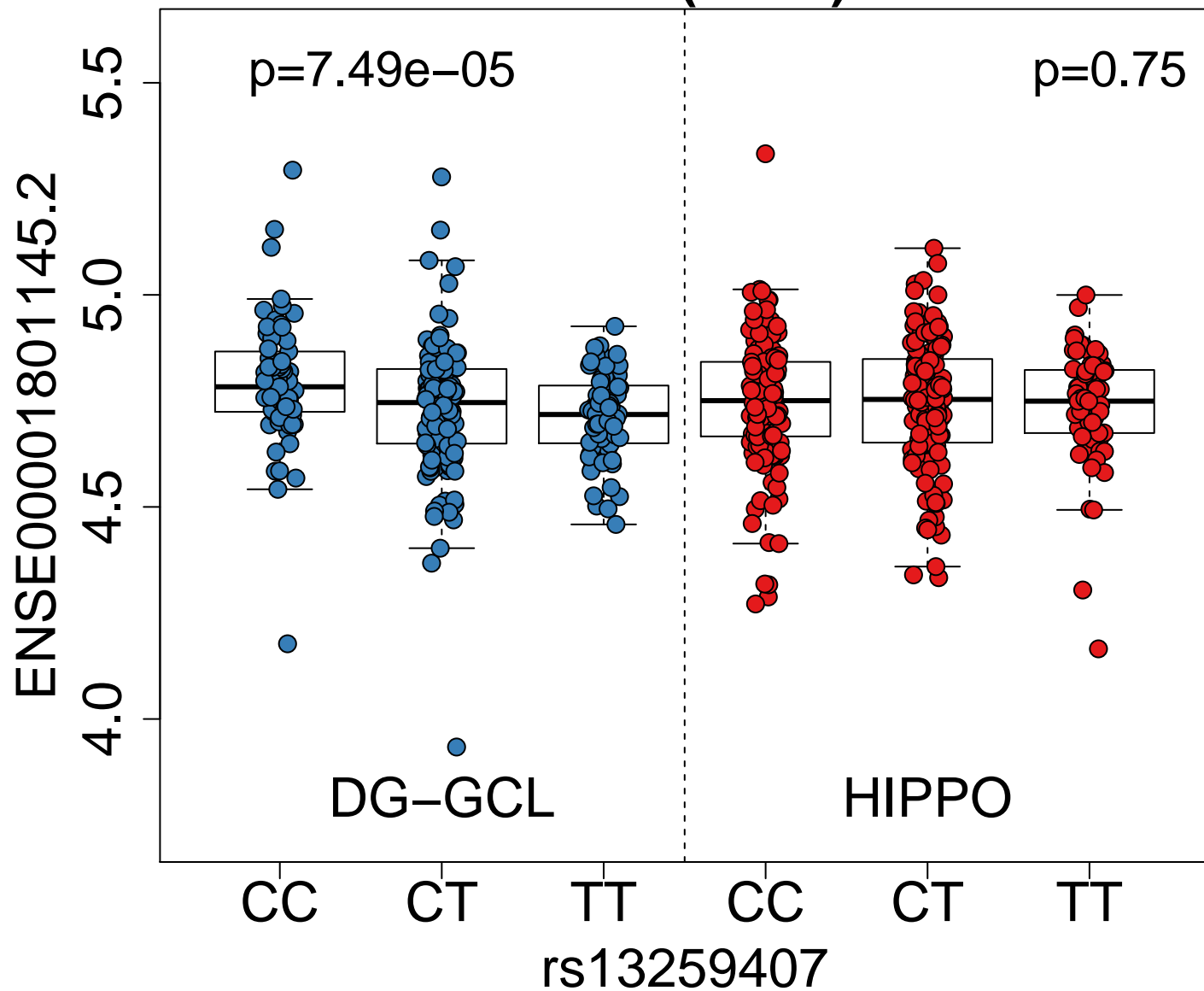
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



Index: rs7010876 ($R^2=0.843$)

MMP16 (Exon)

ENSE00003607975.1

2.5 3.0 3.5

$p=7.57e-05$

$p=0.557$

DG-GCL

HIPPO

AA

AG

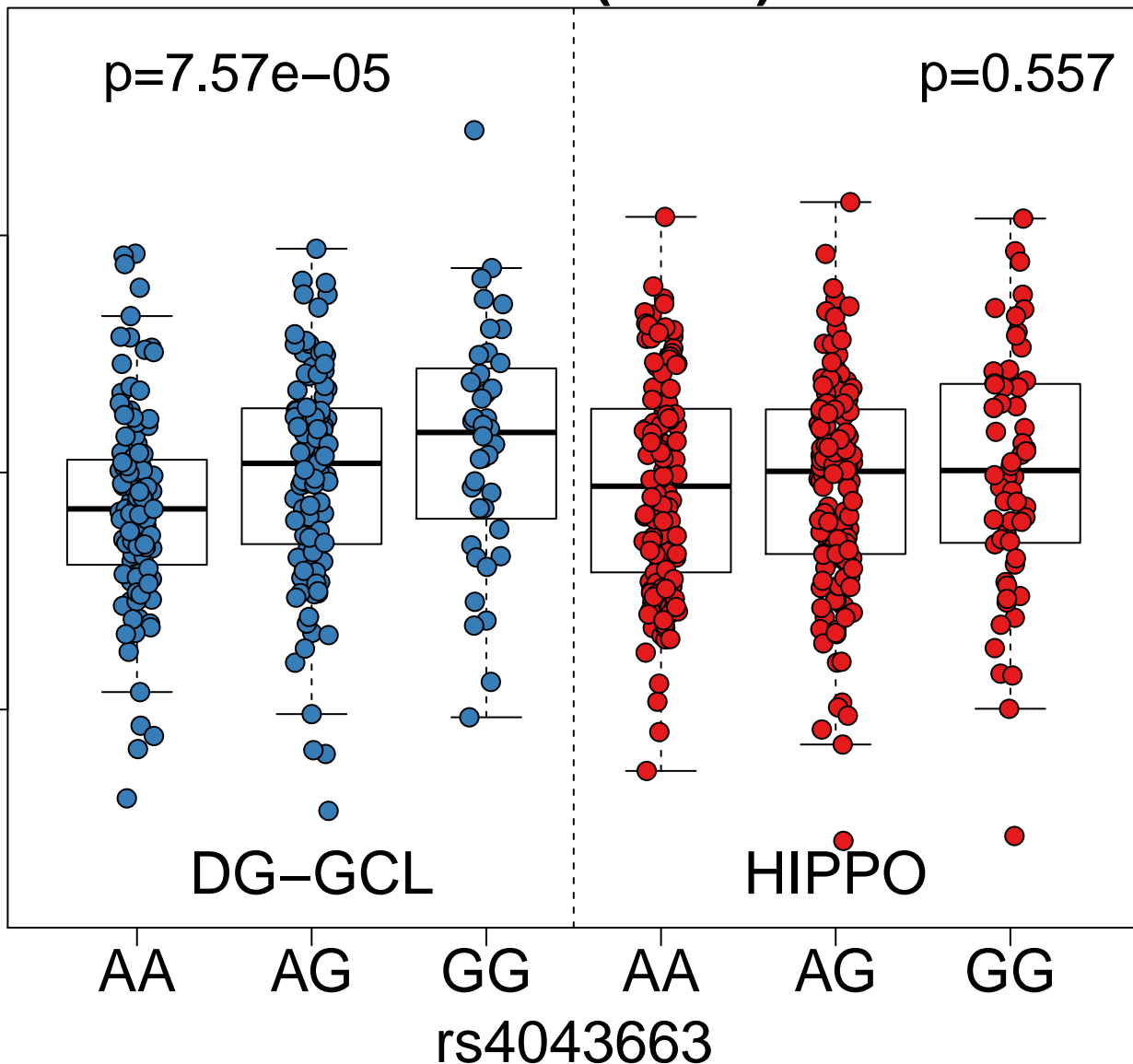
GG

AA

AG

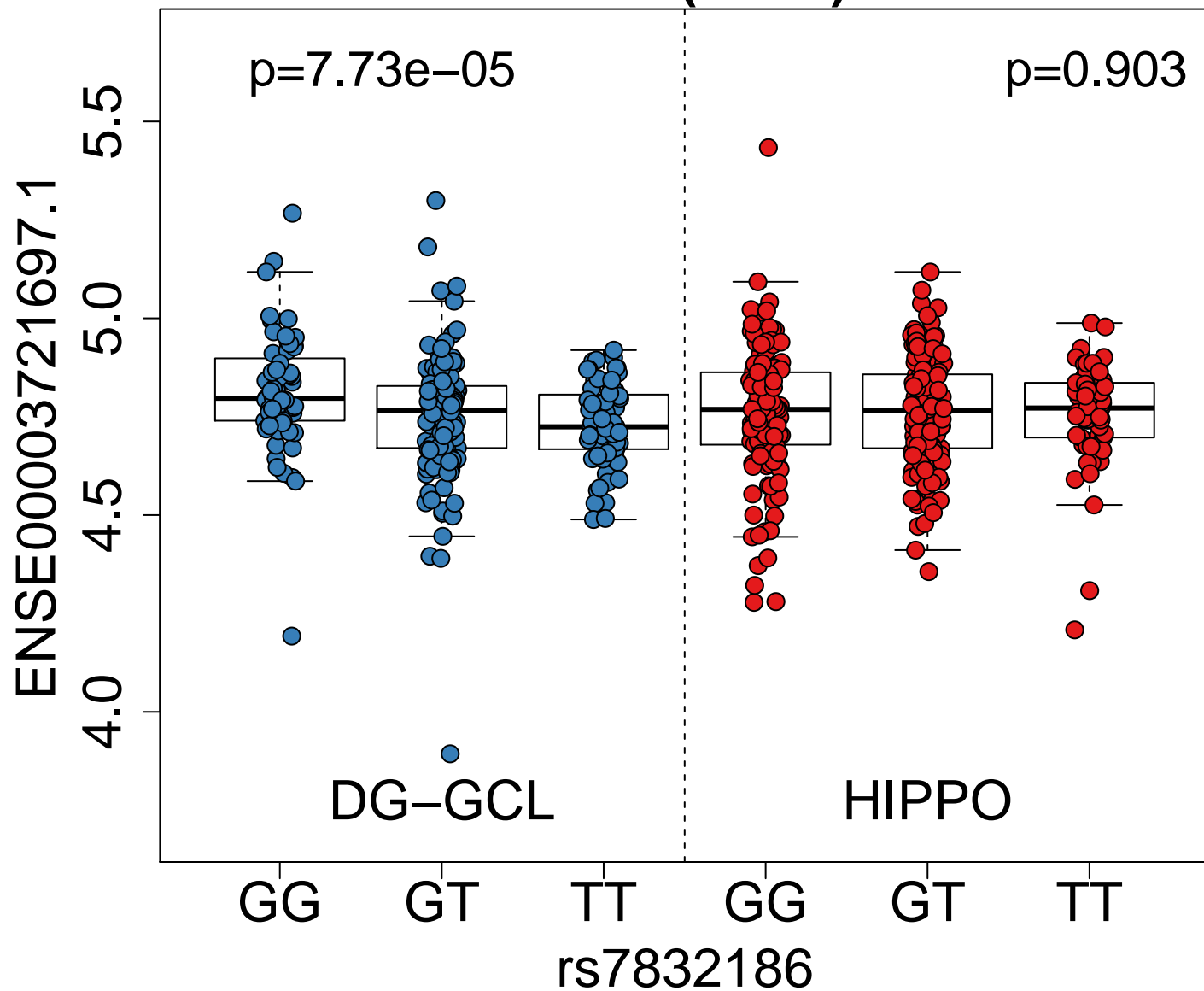
GG

rs4043663



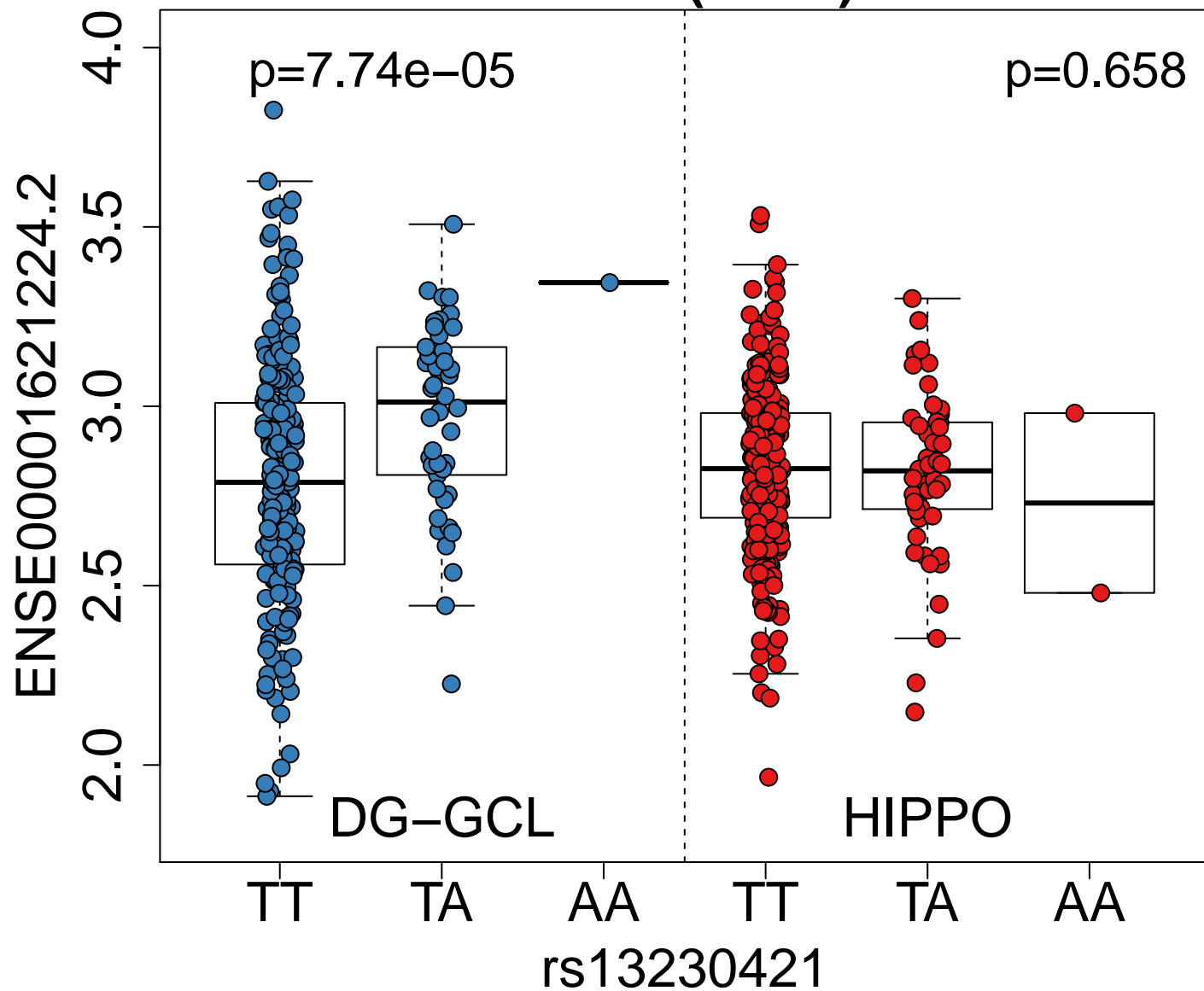
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



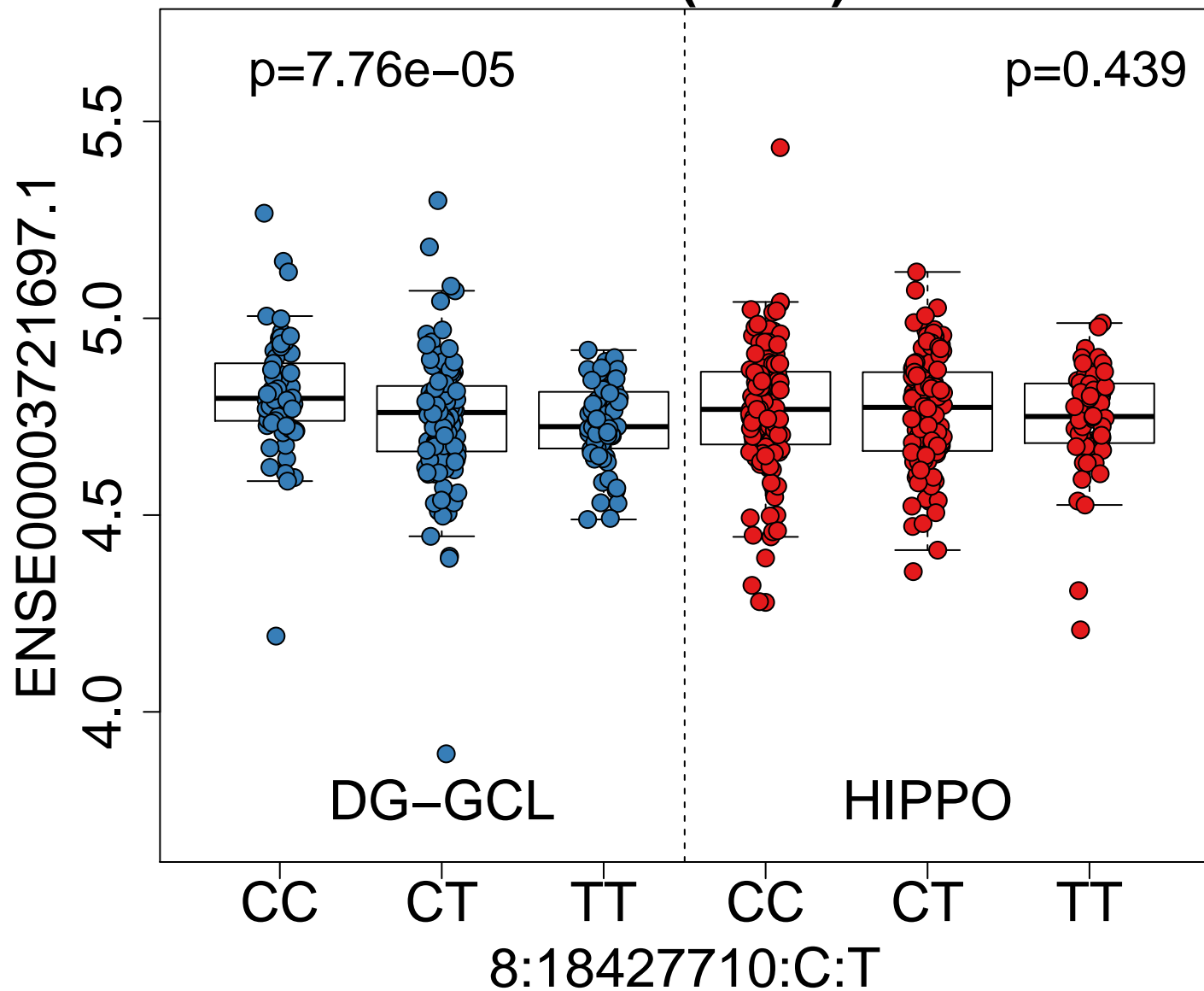
Index: rs12704290 ($R^2=0.968$)

GRM3 (Exon)



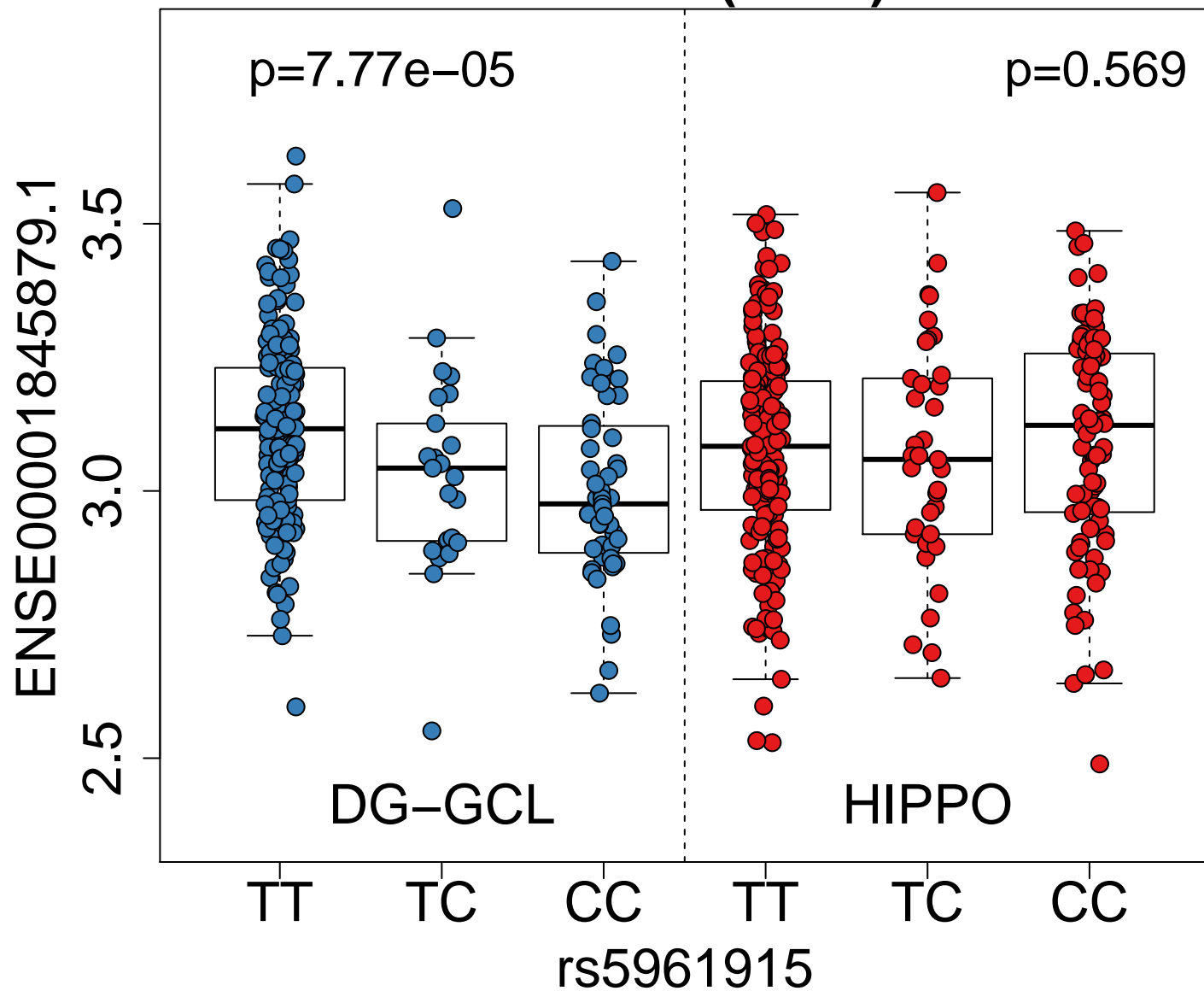
Index: rs2410572 ($R^2=0.828$)

PSD3 (Exon)



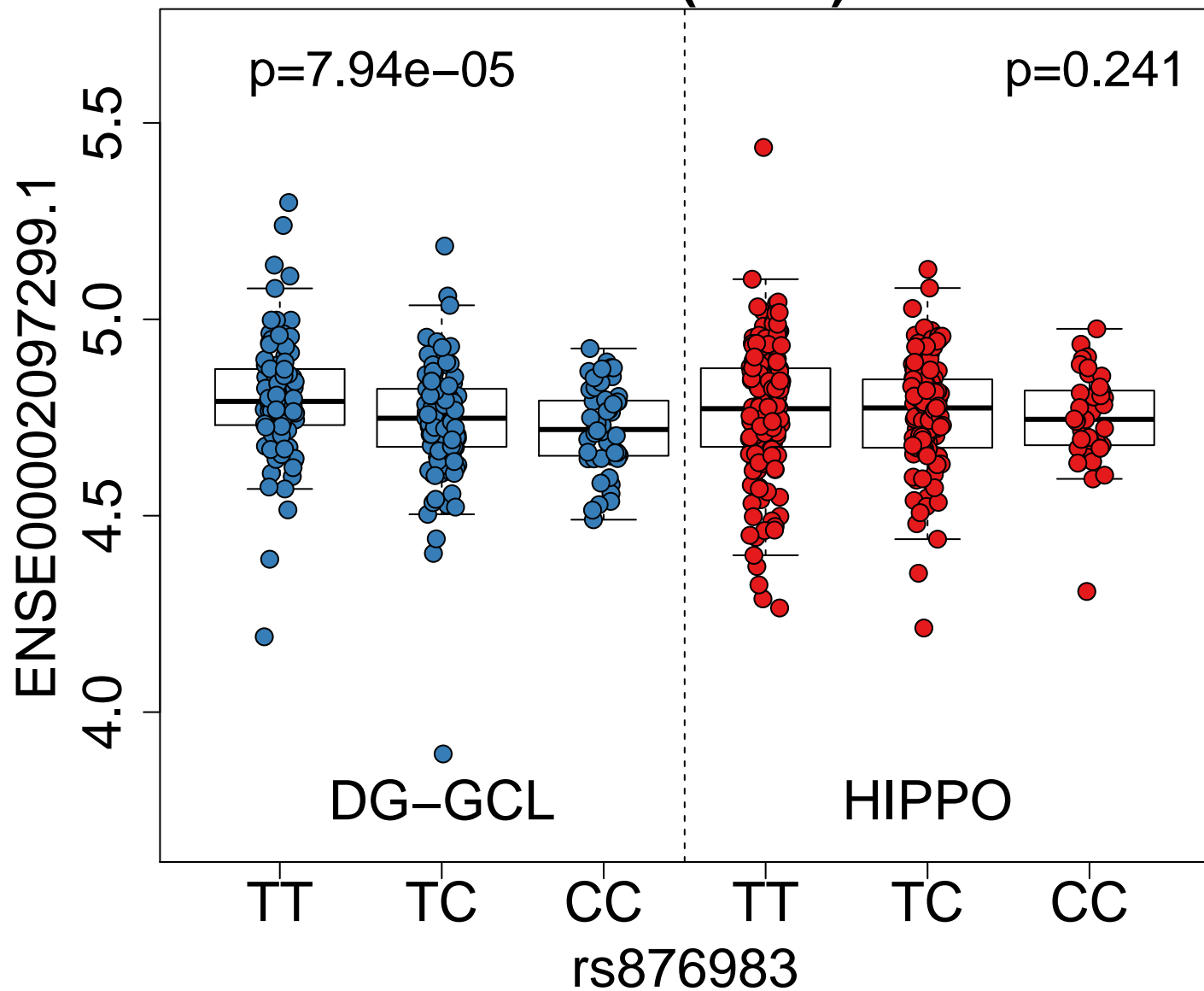
Index: rs12009217 ($R^2=0.824$)

NLGN4X (Exon)



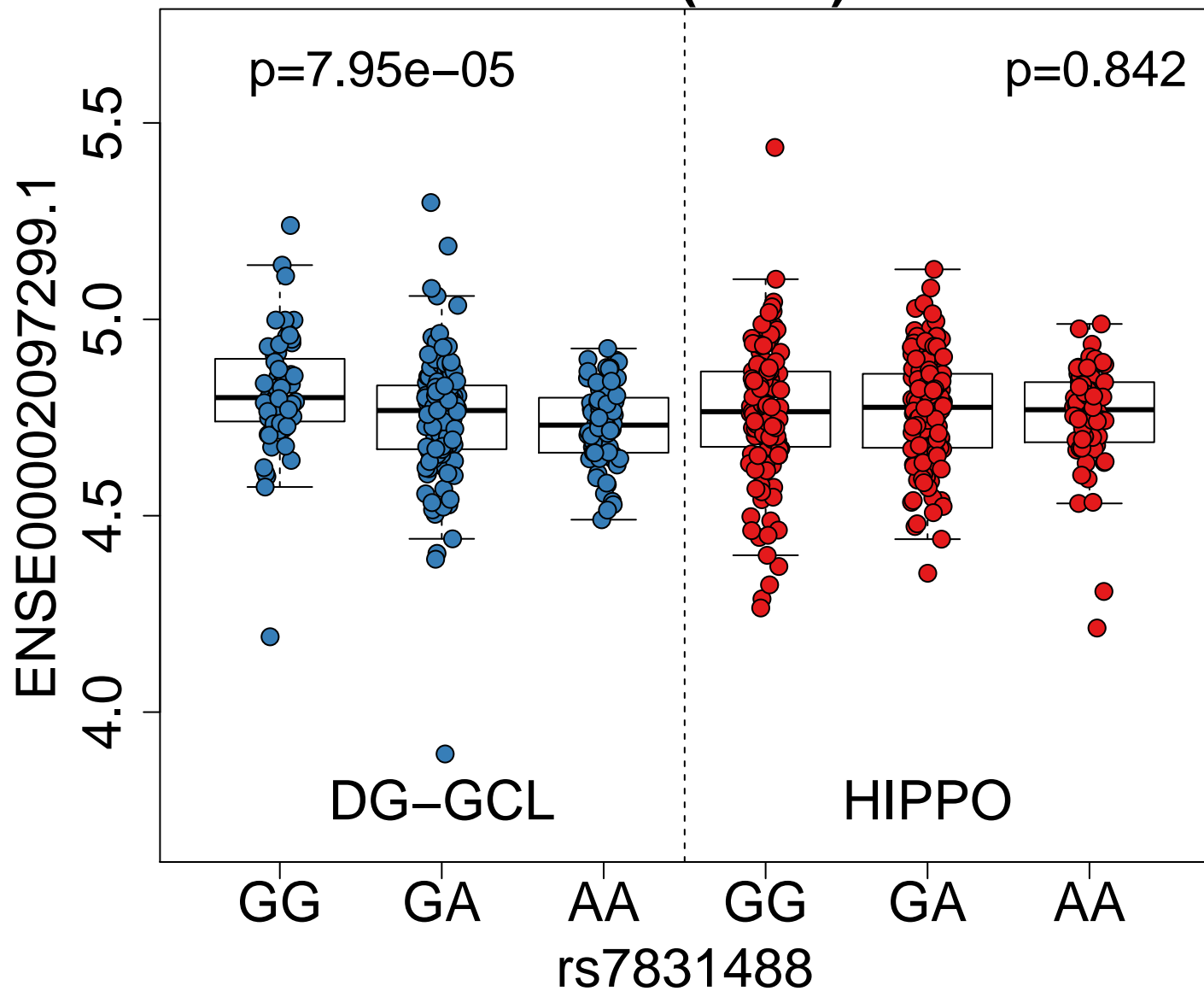
Index: rs2410572 ($R^2=0.844$)

PSD3 (Exon)



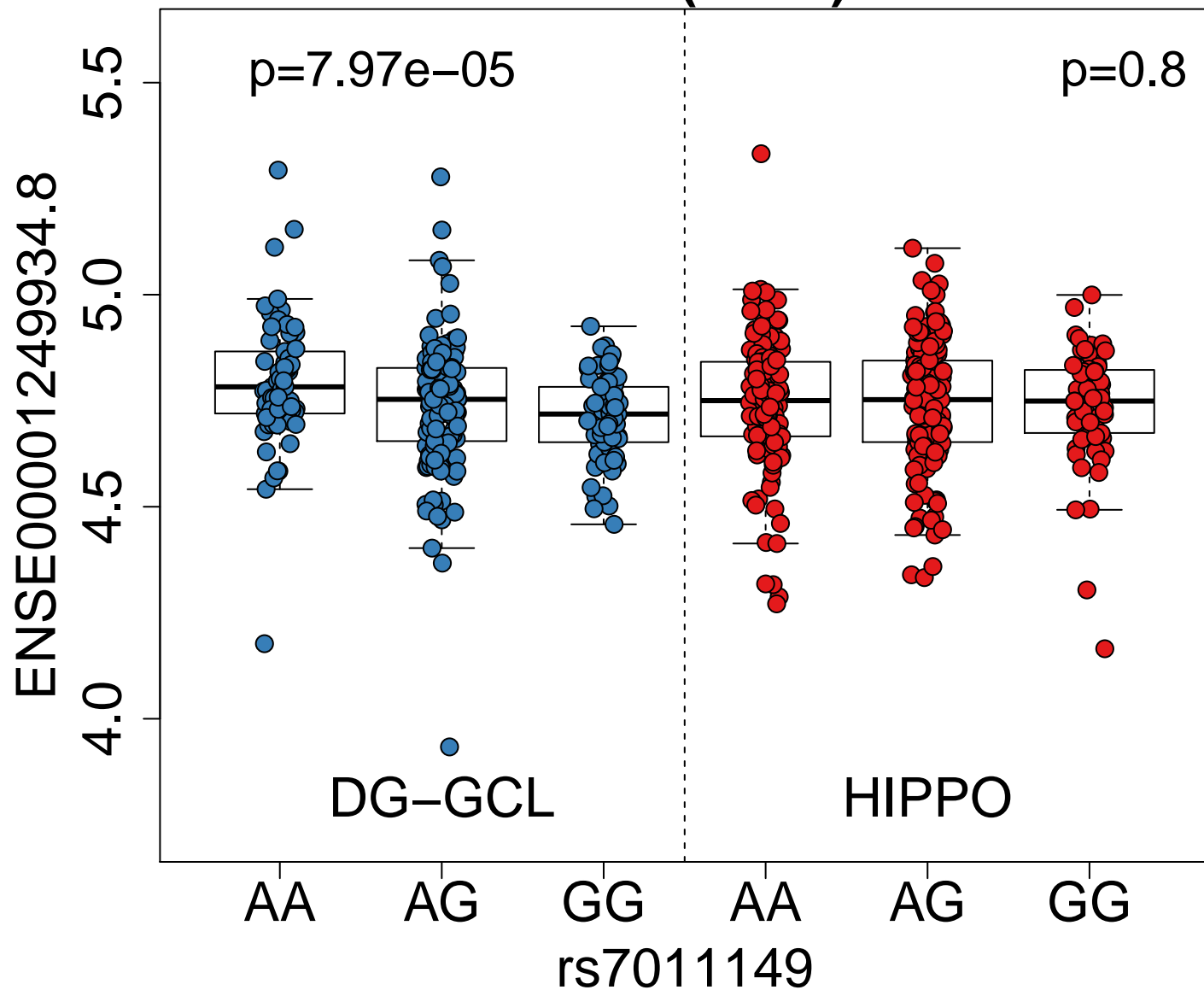
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



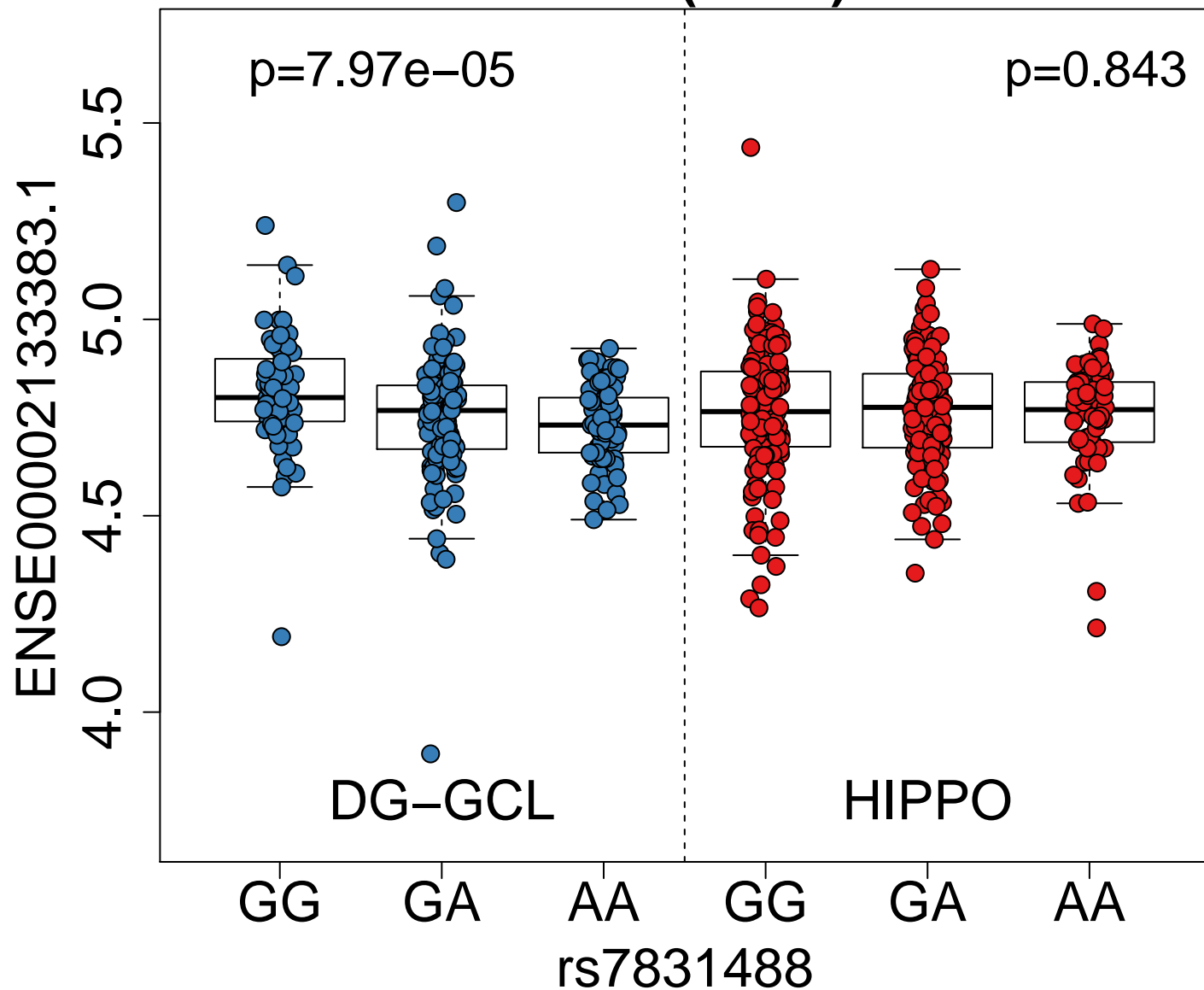
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



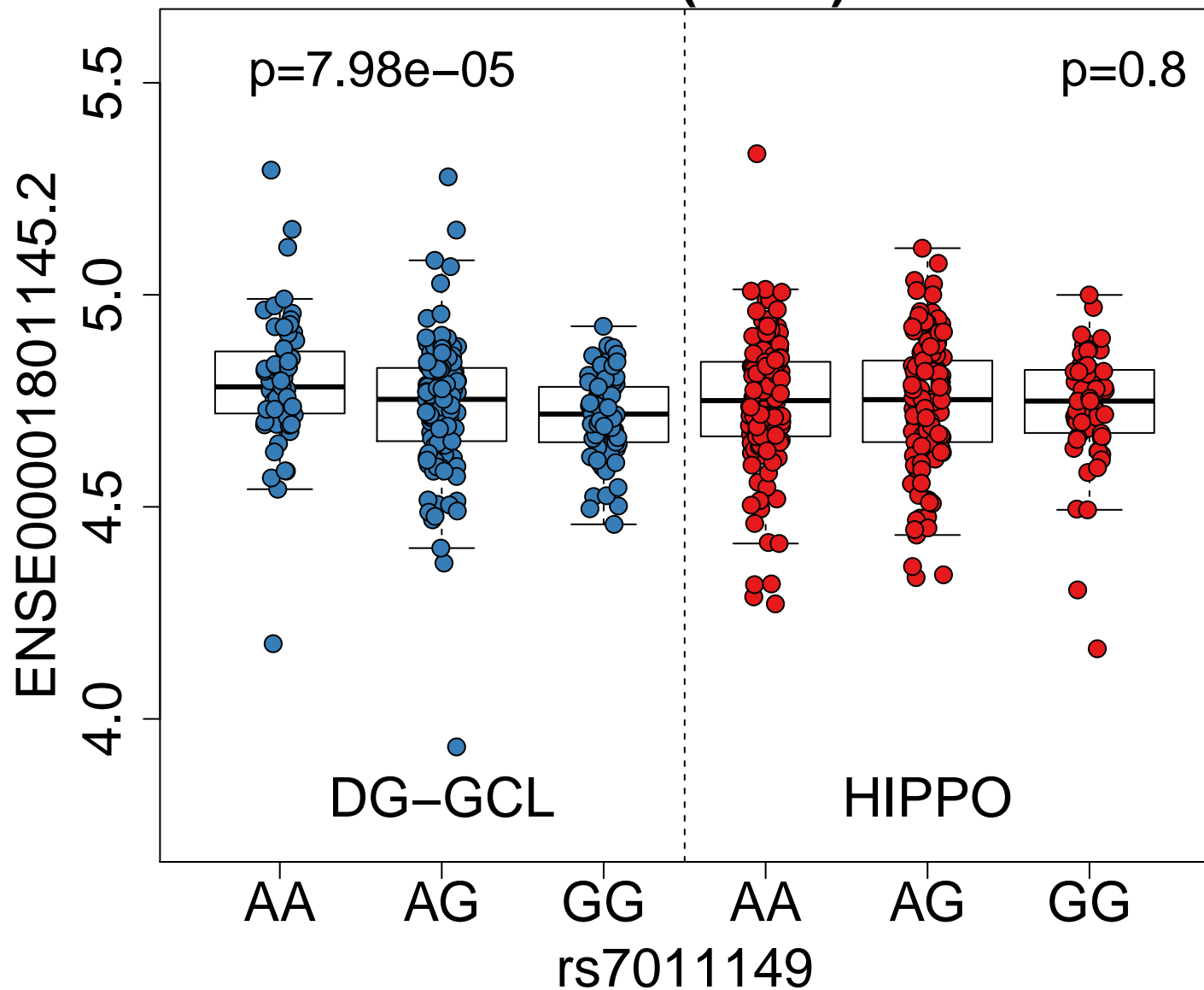
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



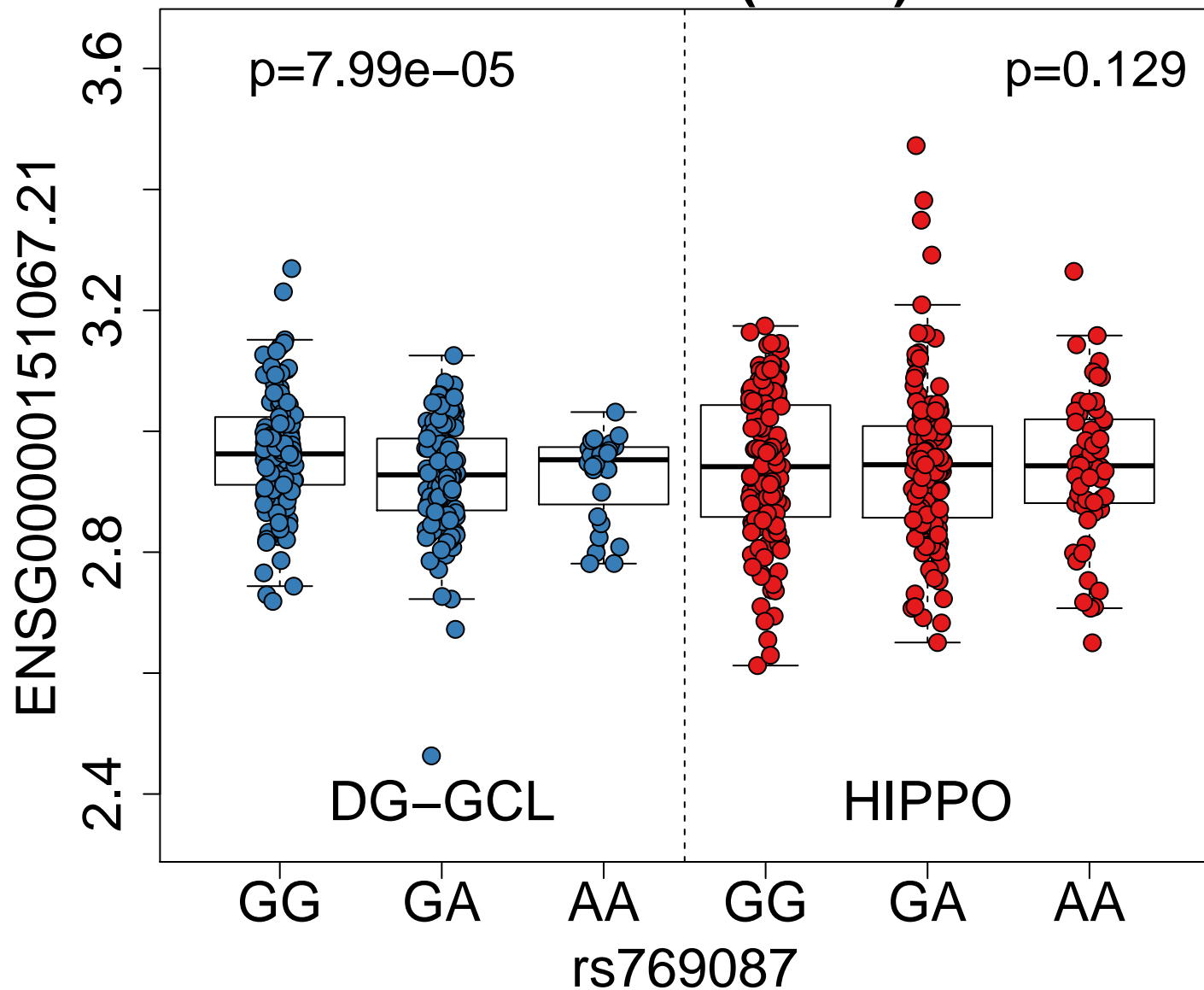
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



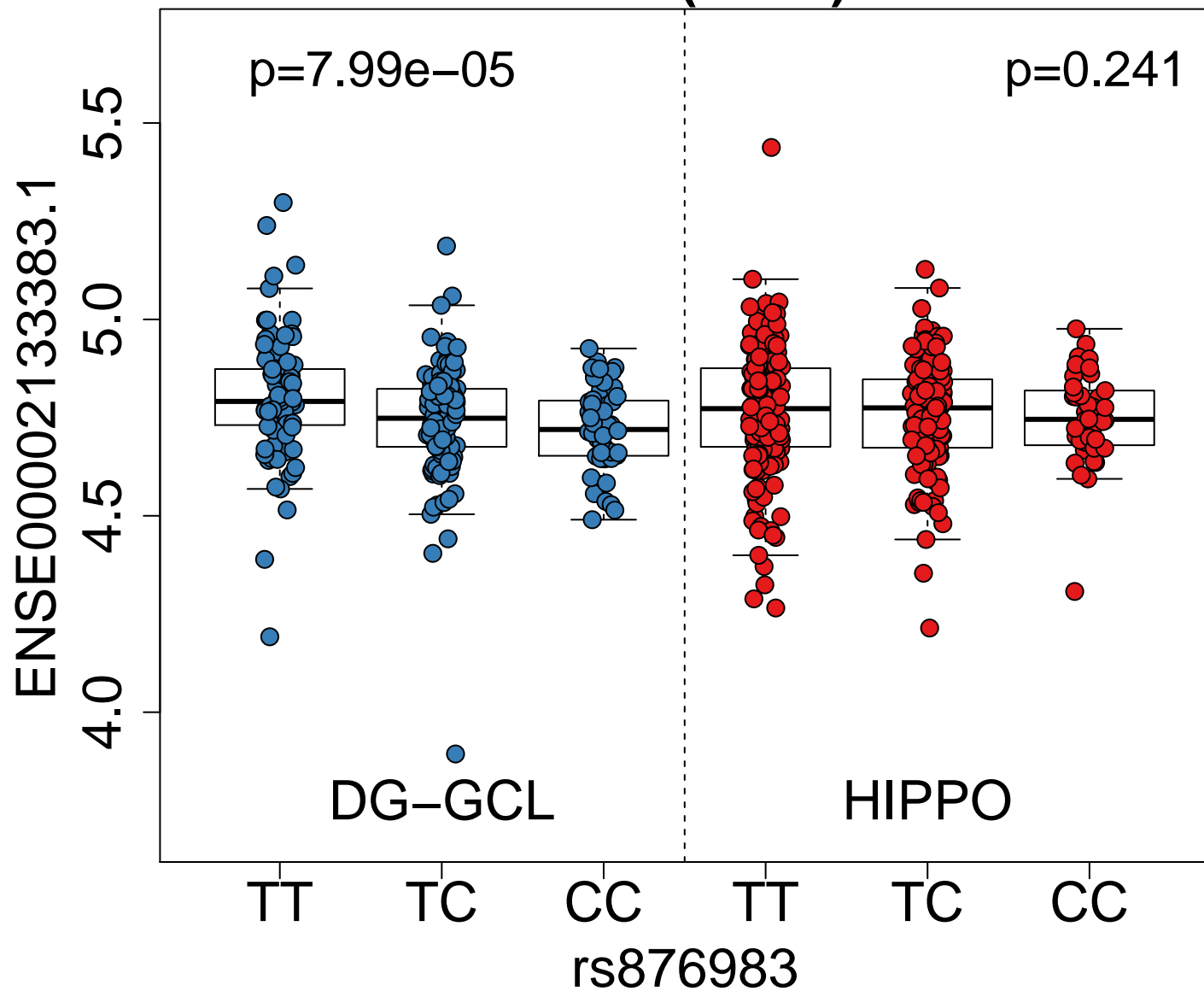
Index: rs2007044 ($R^2=0.801$)

CACNA1C (Gene)



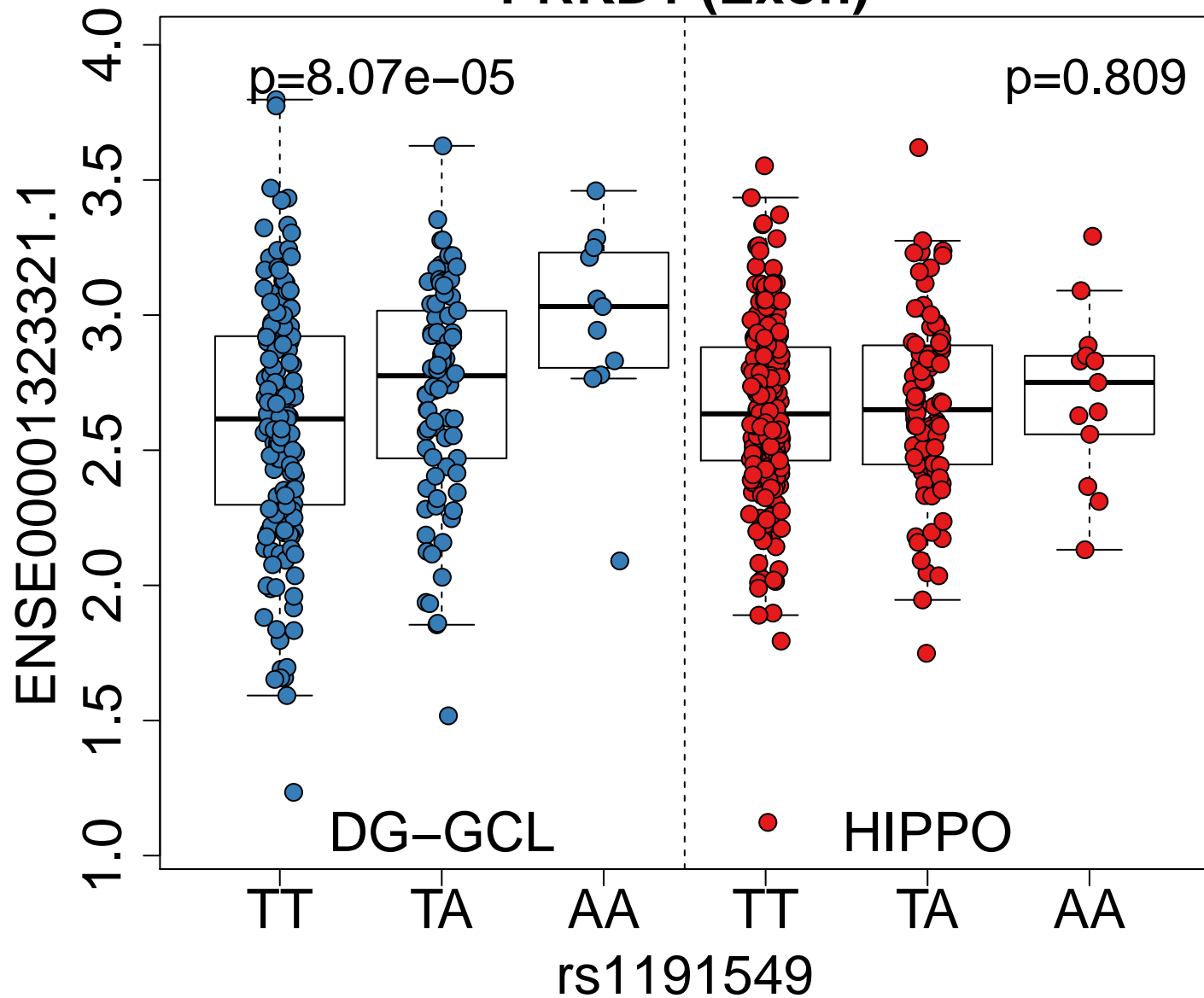
Index: rs2410572 ($R^2=0.844$)

PSD3 (Exon)



Index: rs1191551 ($R^2=0.972$)

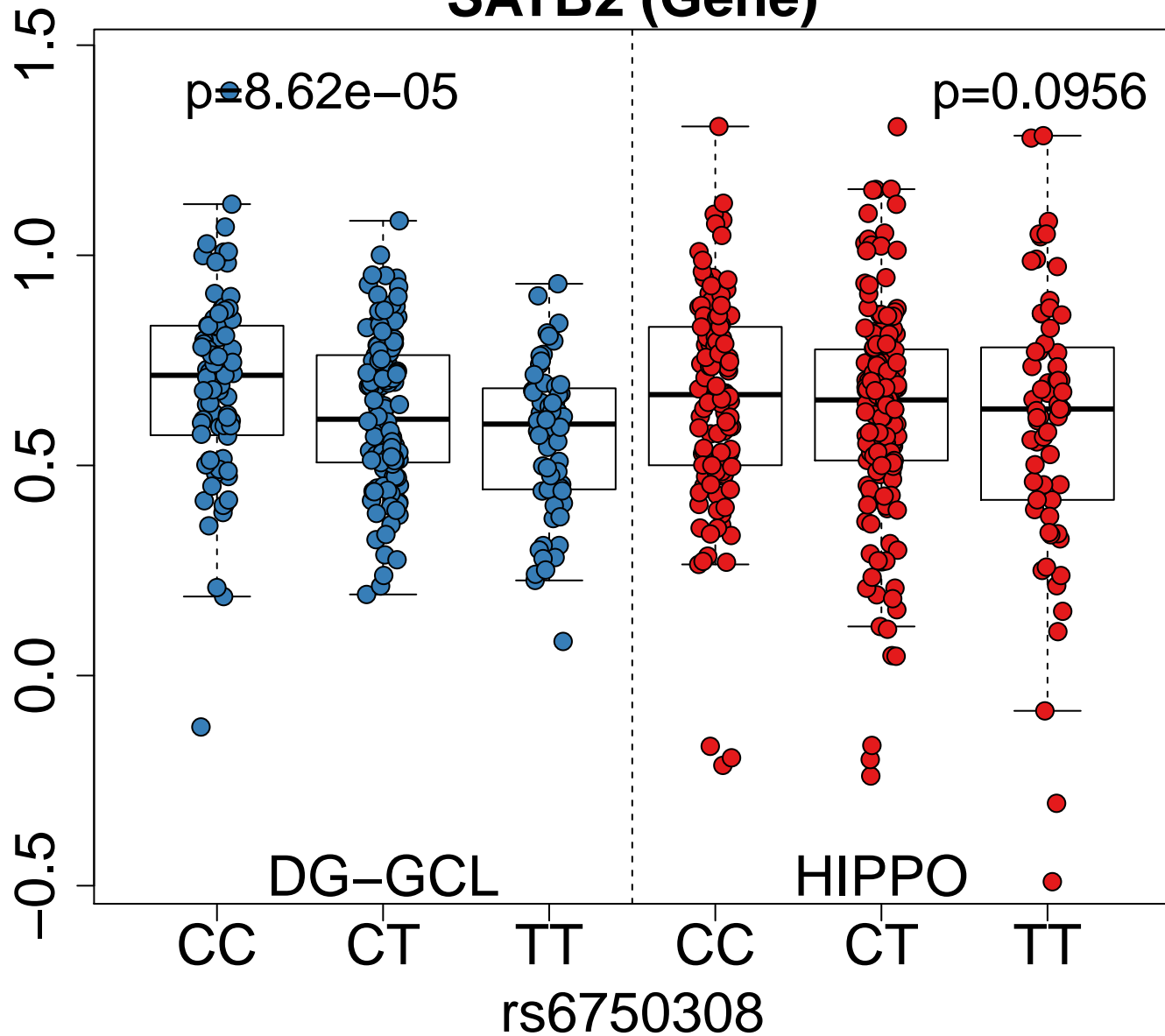
PRKD1 (Exon)



Index: rs1451488 ($R^2=0.838$)

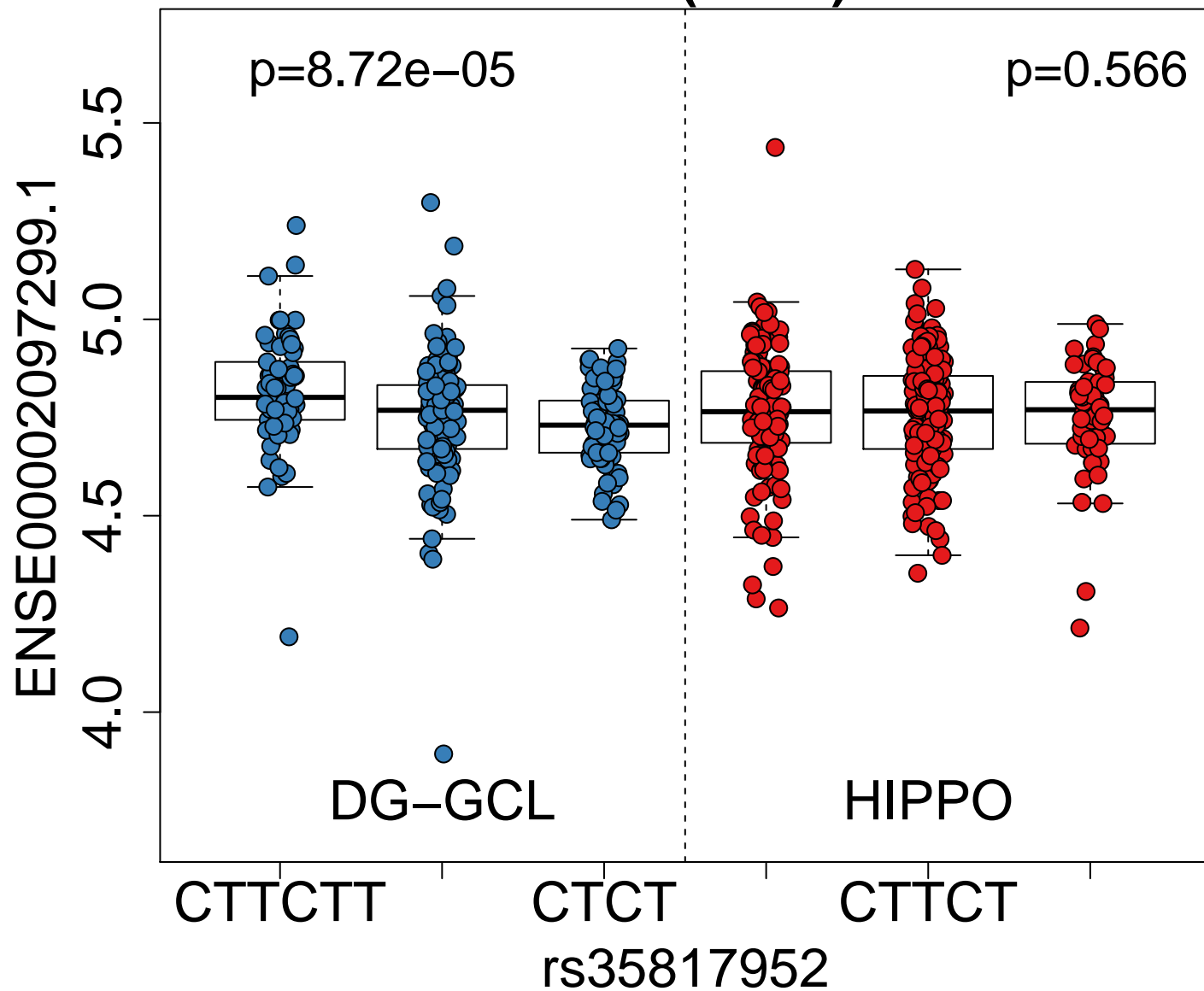
SATB2 (Gene)

ENSG00000119042.16



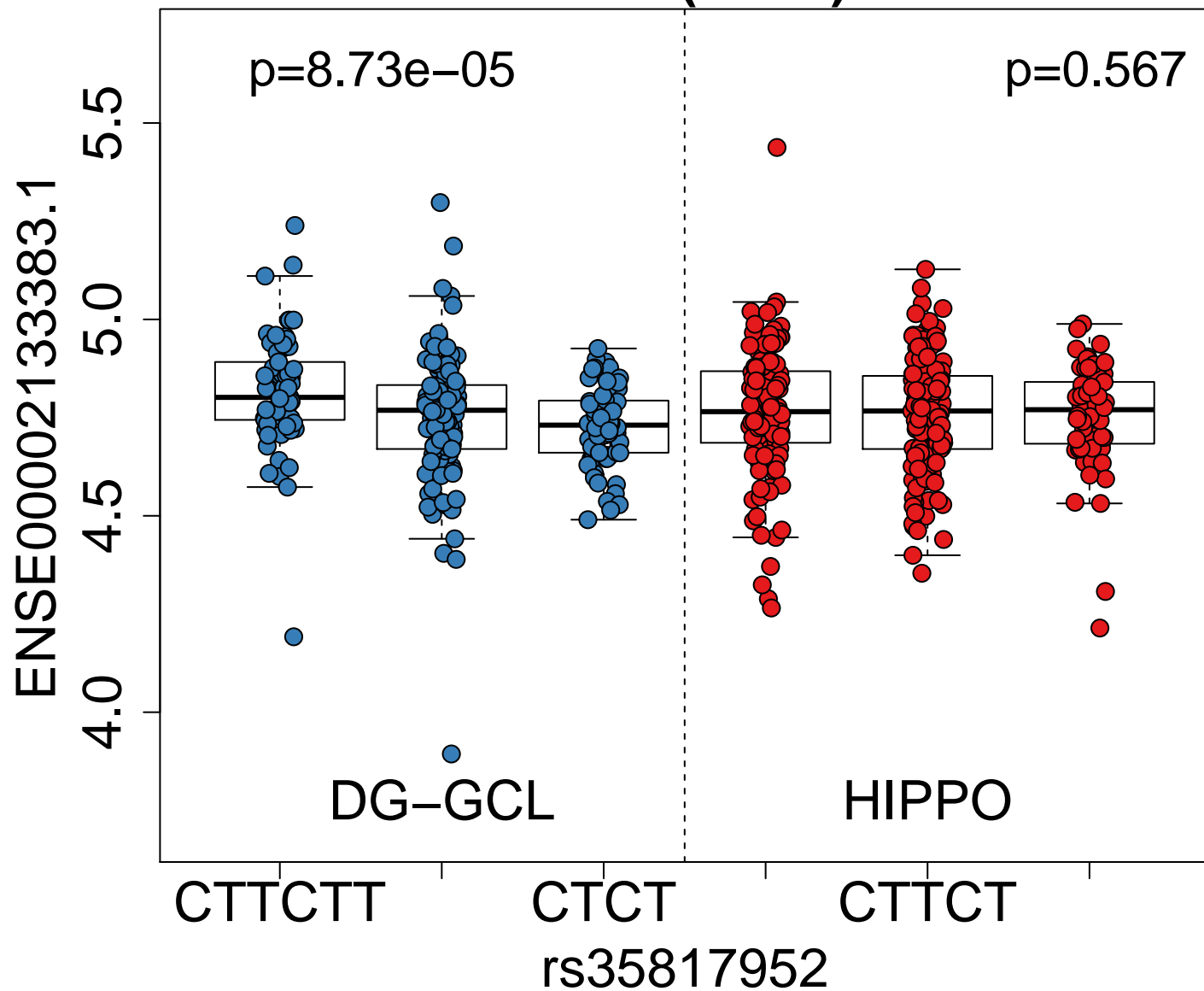
Index: rs2410572 ($R^2=0.832$)

PSD3 (Exon)



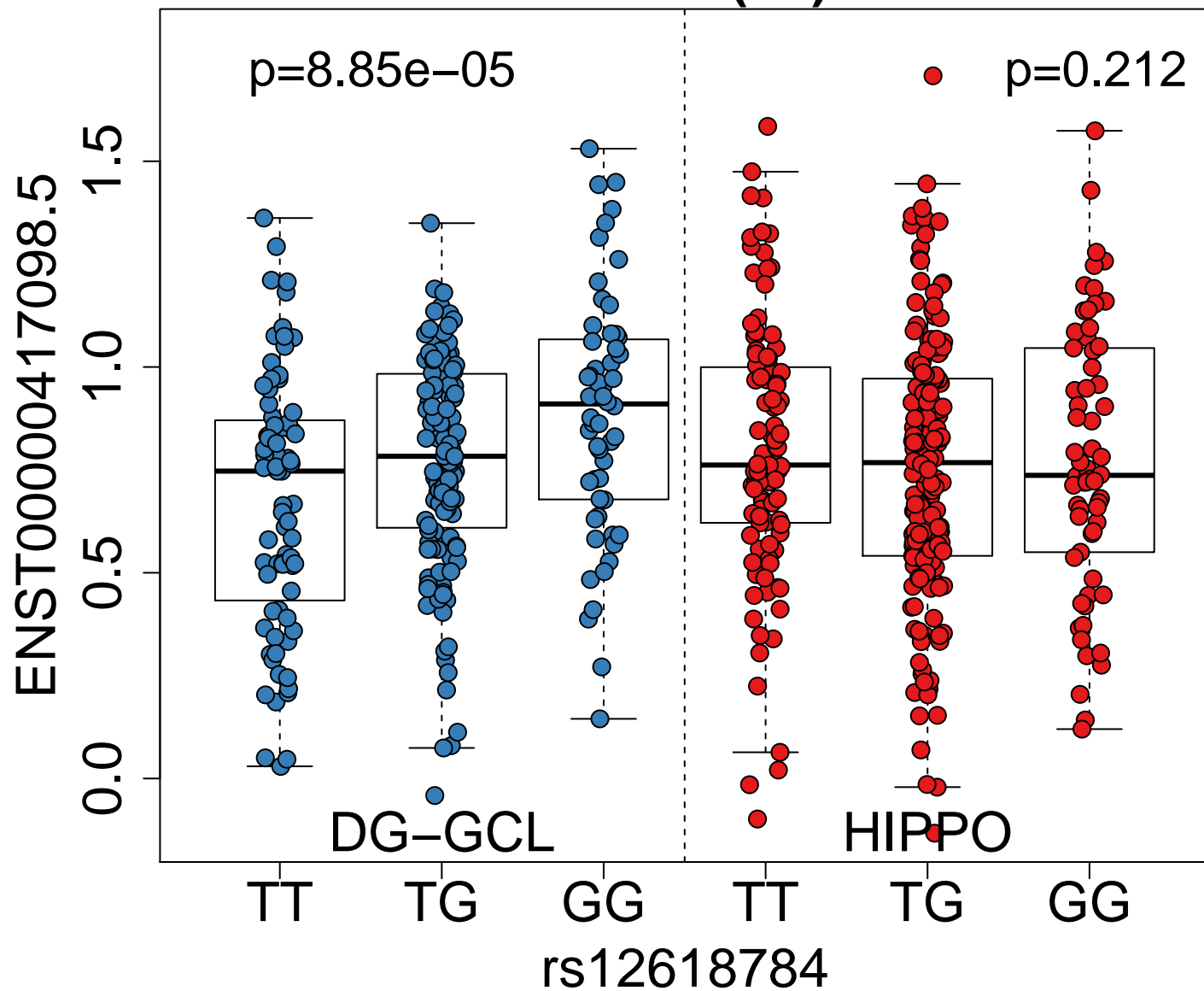
Index: rs2410572 ($R^2=0.832$)

PSD3 (Exon)



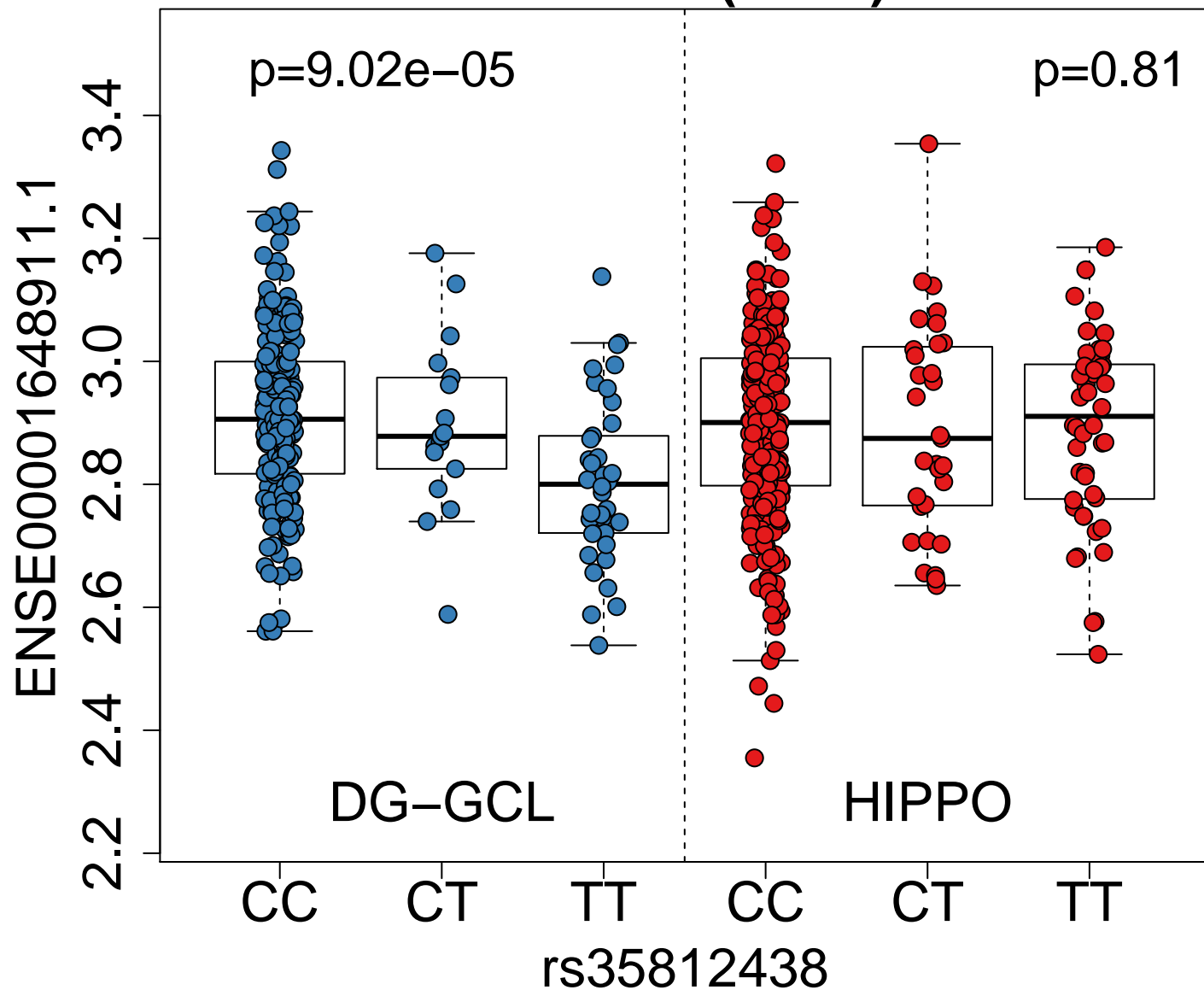
Index: rs1451488 ($R^2=0.835$)

SATB2 (Tx)



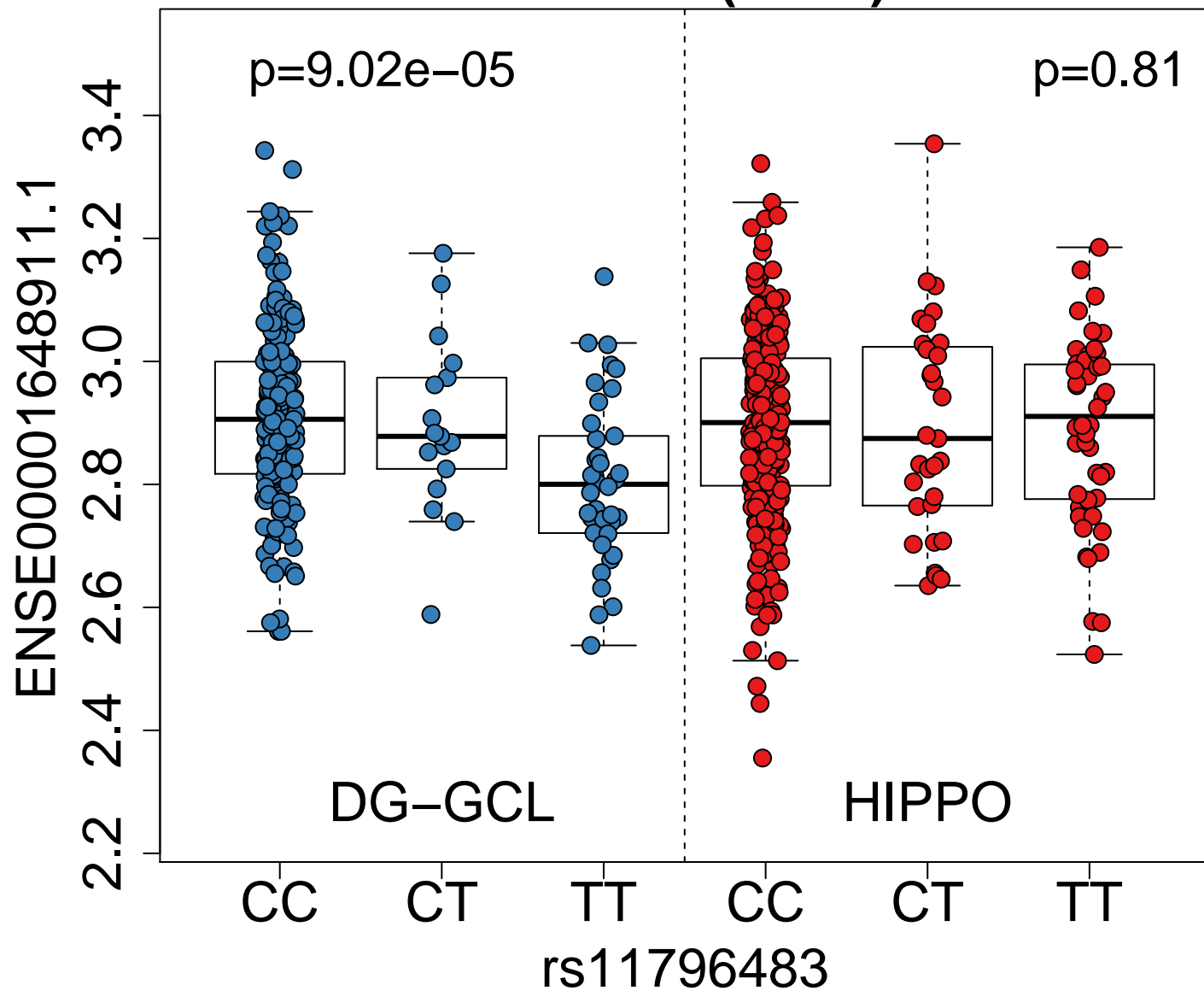
Index: rs12009217 ($R^2=0.949$)

NLGN4X (Exon)



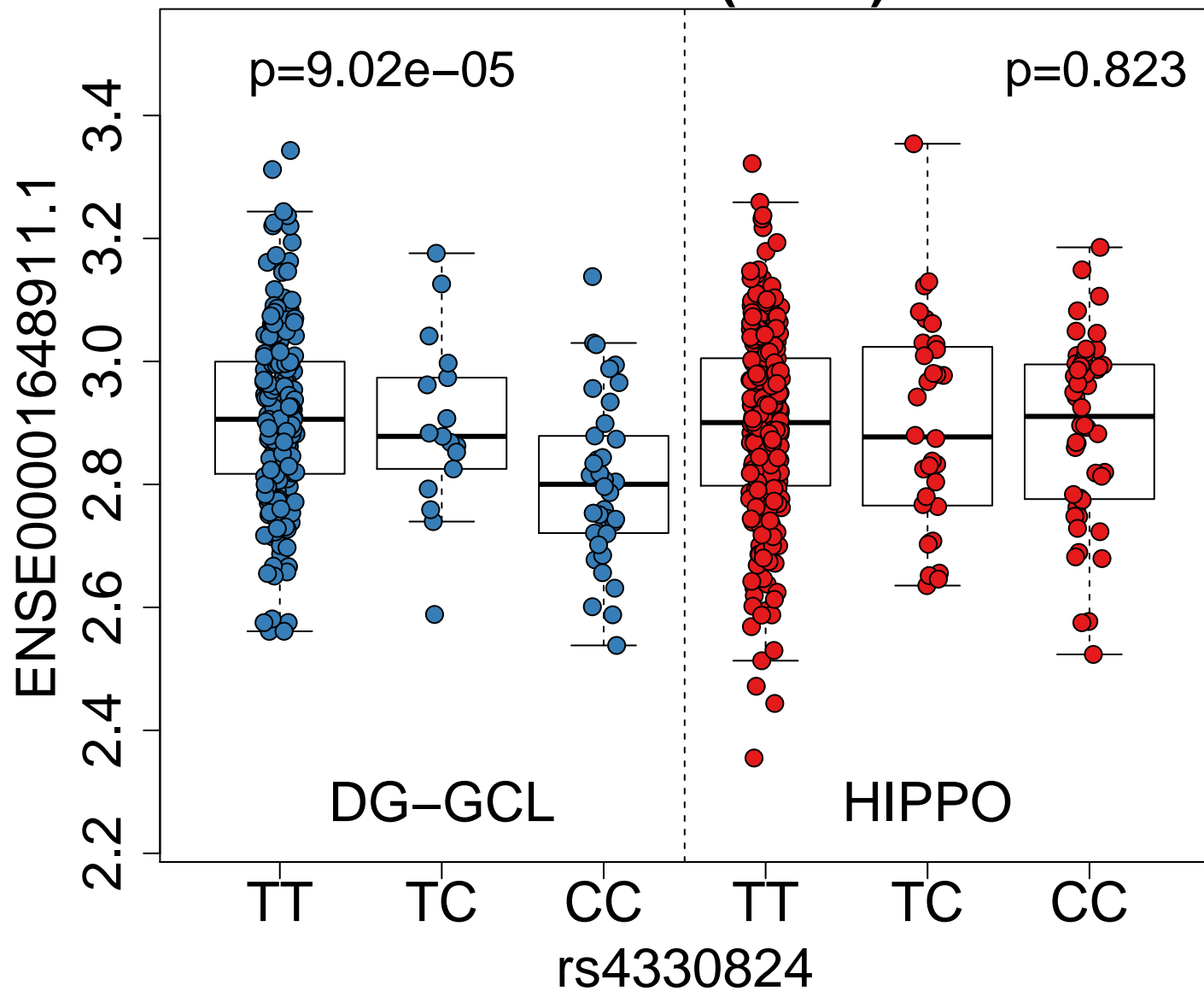
Index: rs12009217 ($R^2=0.941$)

NLGN4X (Exon)



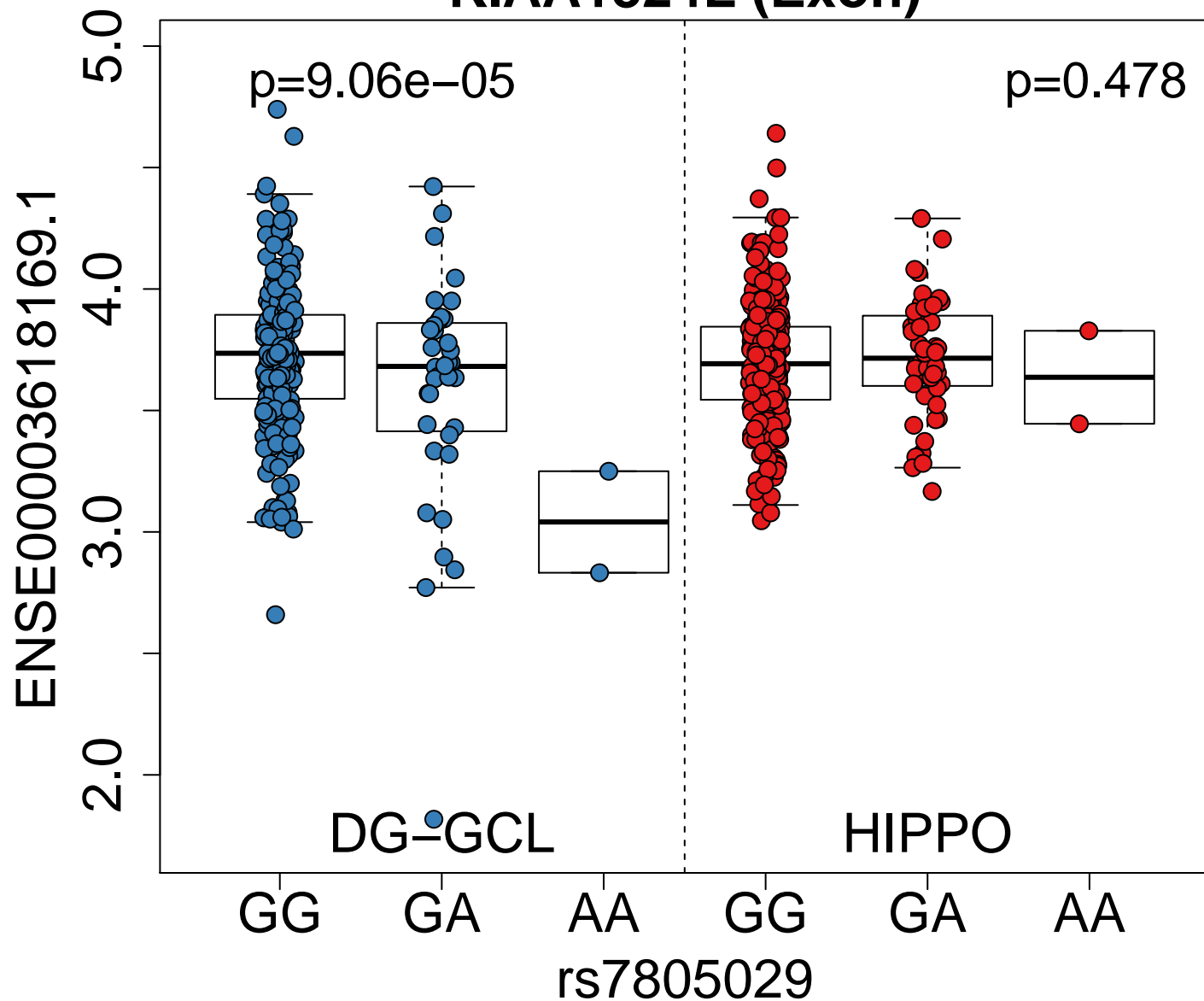
Index: rs12009217 ($R^2=0.958$)

NLGN4X (Exon)



Index: rs147922658 ($R^2=0.802$)

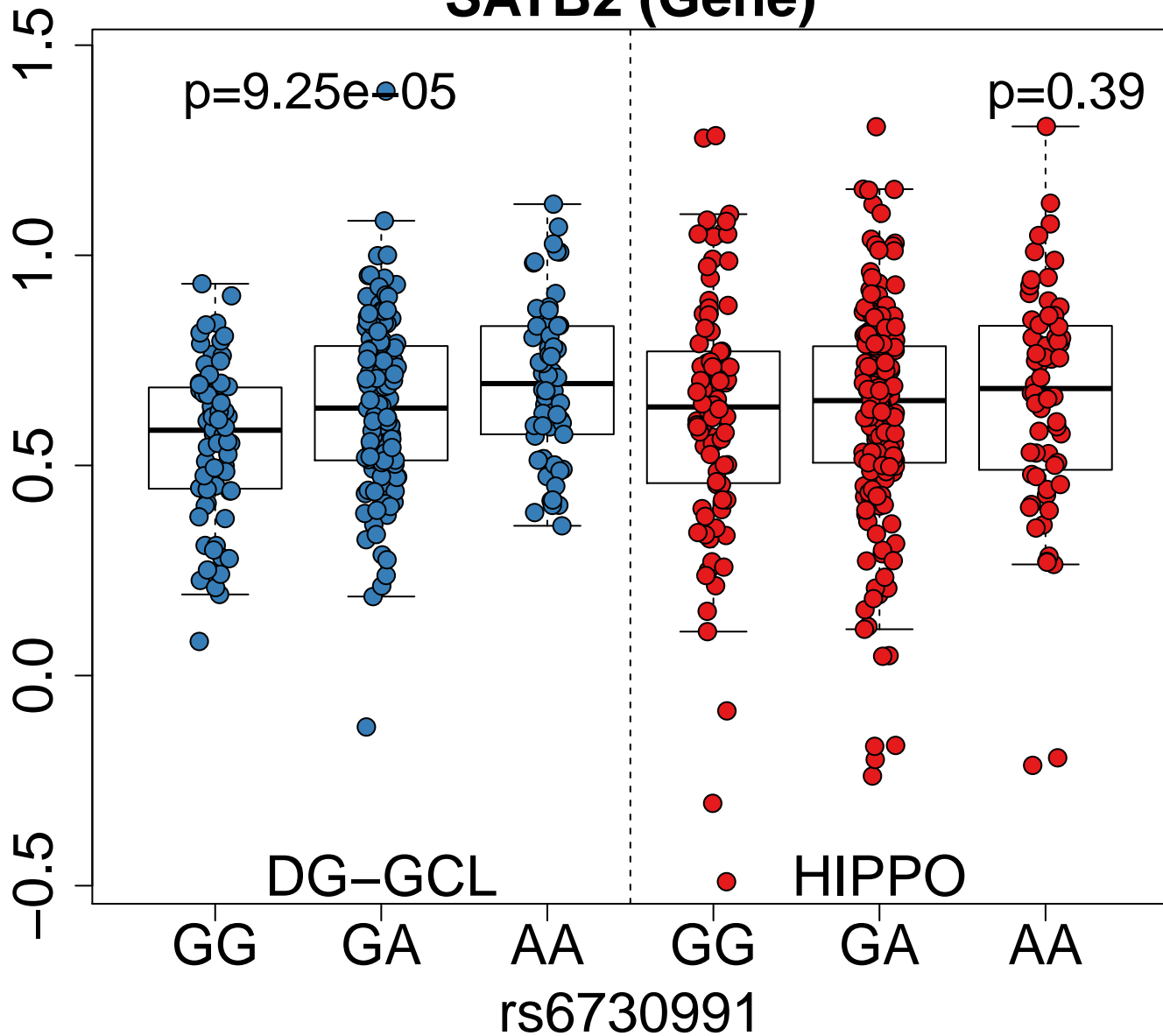
KIAA1324L (Exon)



Index: rs1451488 ($R^2=0.834$)

SATB2 (Gene)

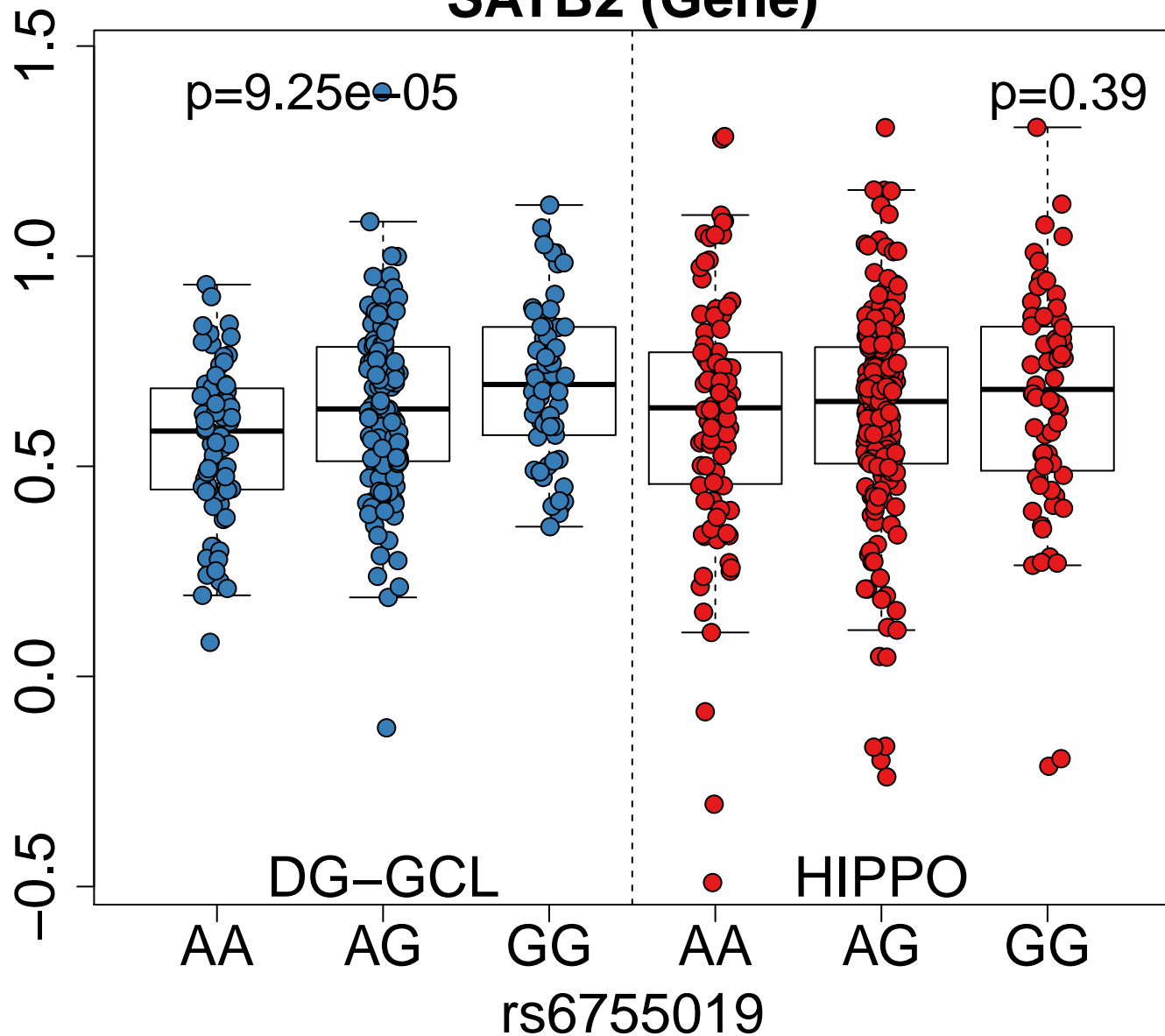
ENSG00000119042.16



Index: rs1451488 ($R^2=0.835$)

SATB2 (Gene)

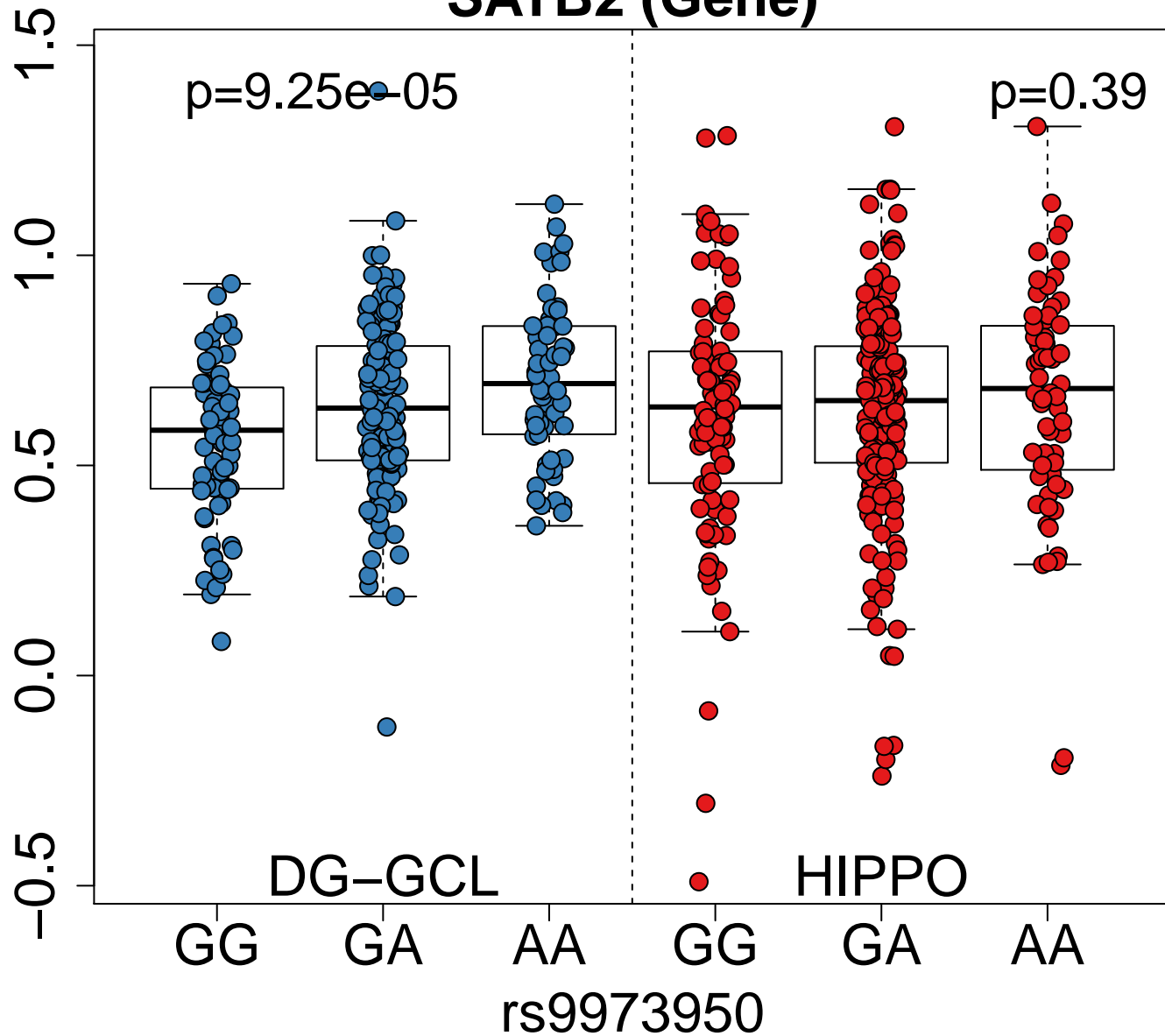
ENSG00000119042.16



Index: rs1451488 ($R^2=0.835$)

SATB2 (Gene)

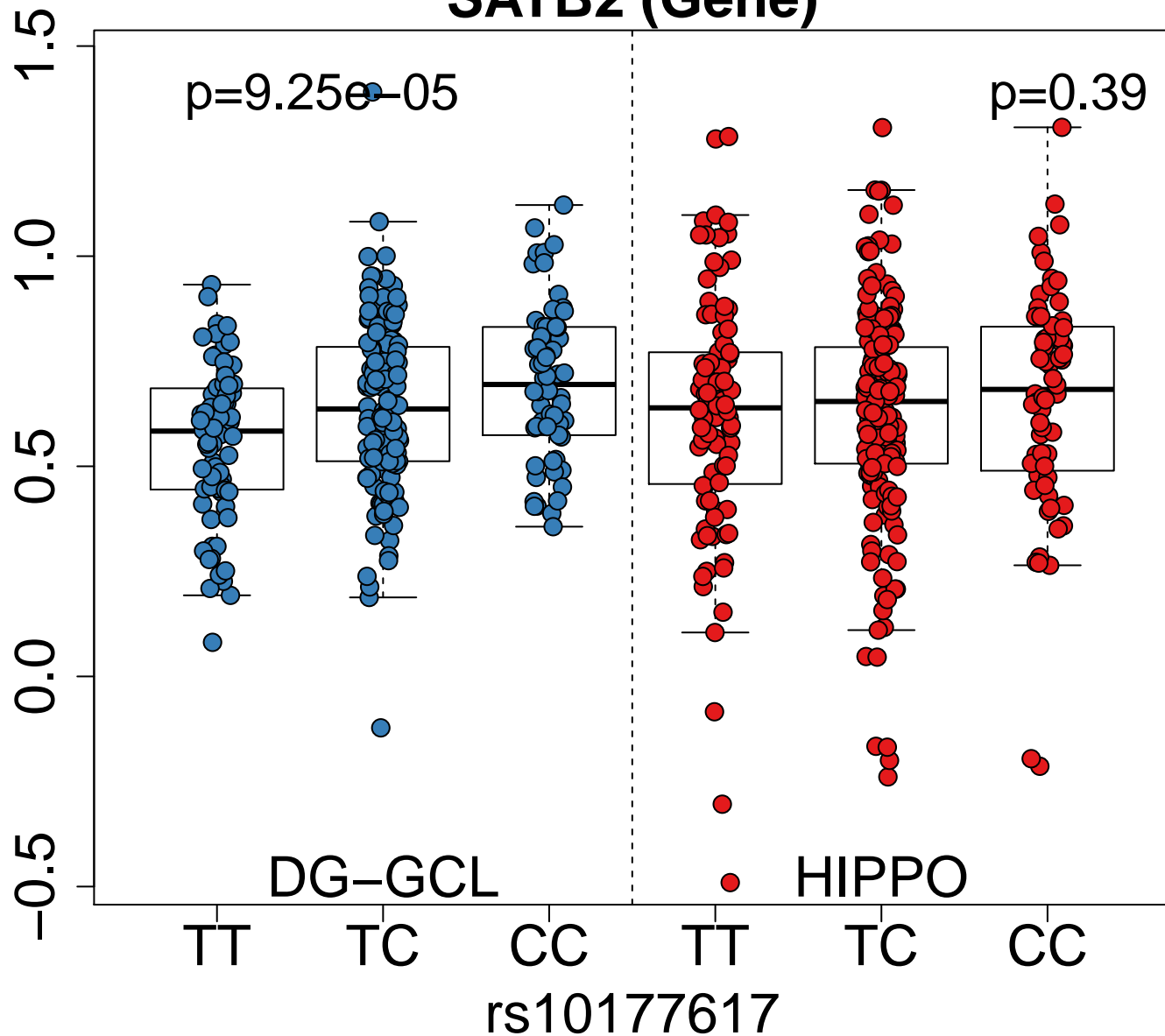
ENSG00000119042.16



Index: rs1451488 ($R^2=0.835$)

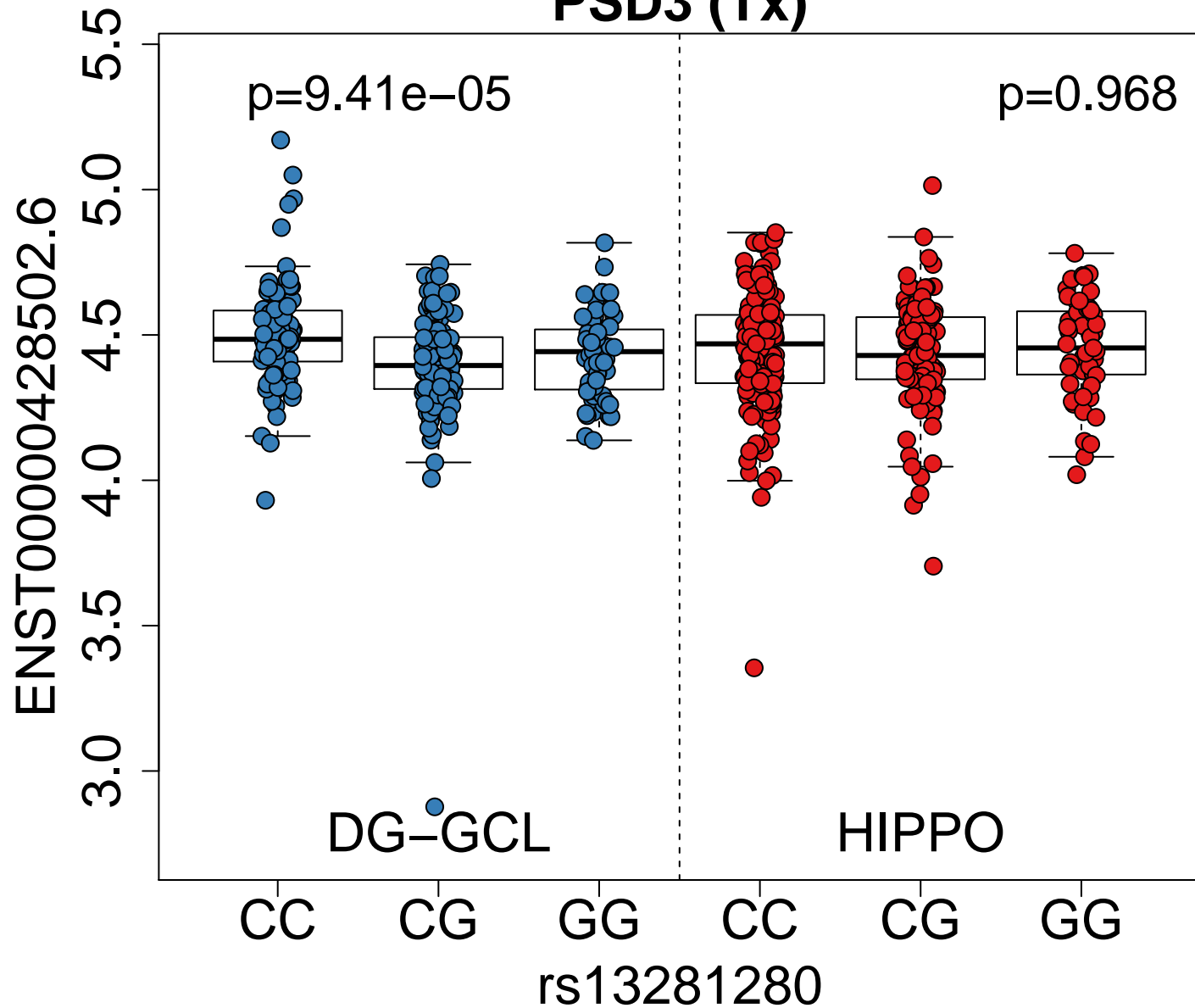
SATB2 (Gene)

ENSG00000119042.16



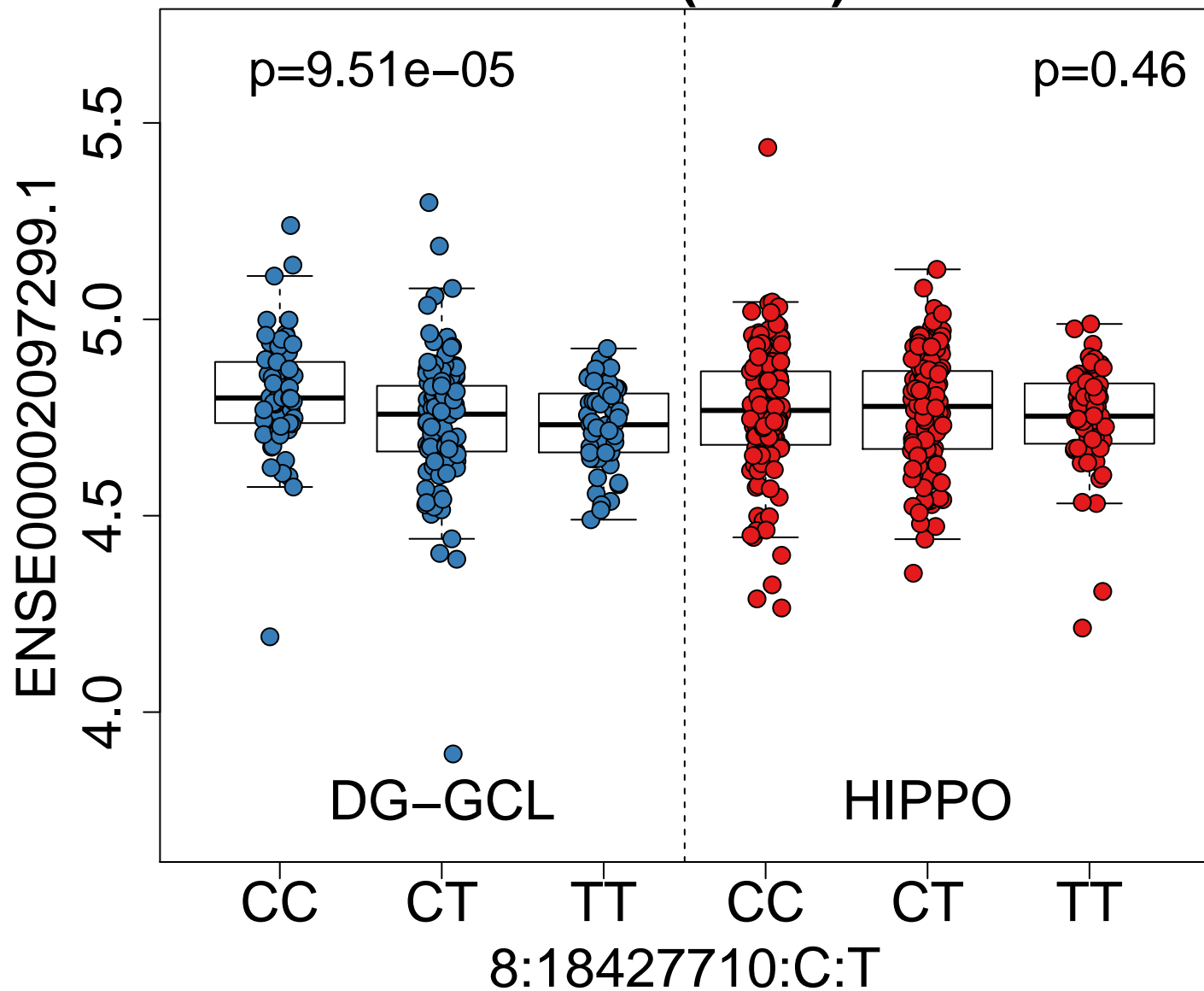
Index: rs2410572 ($R^2=0.968$)

PSD3 (Tx)



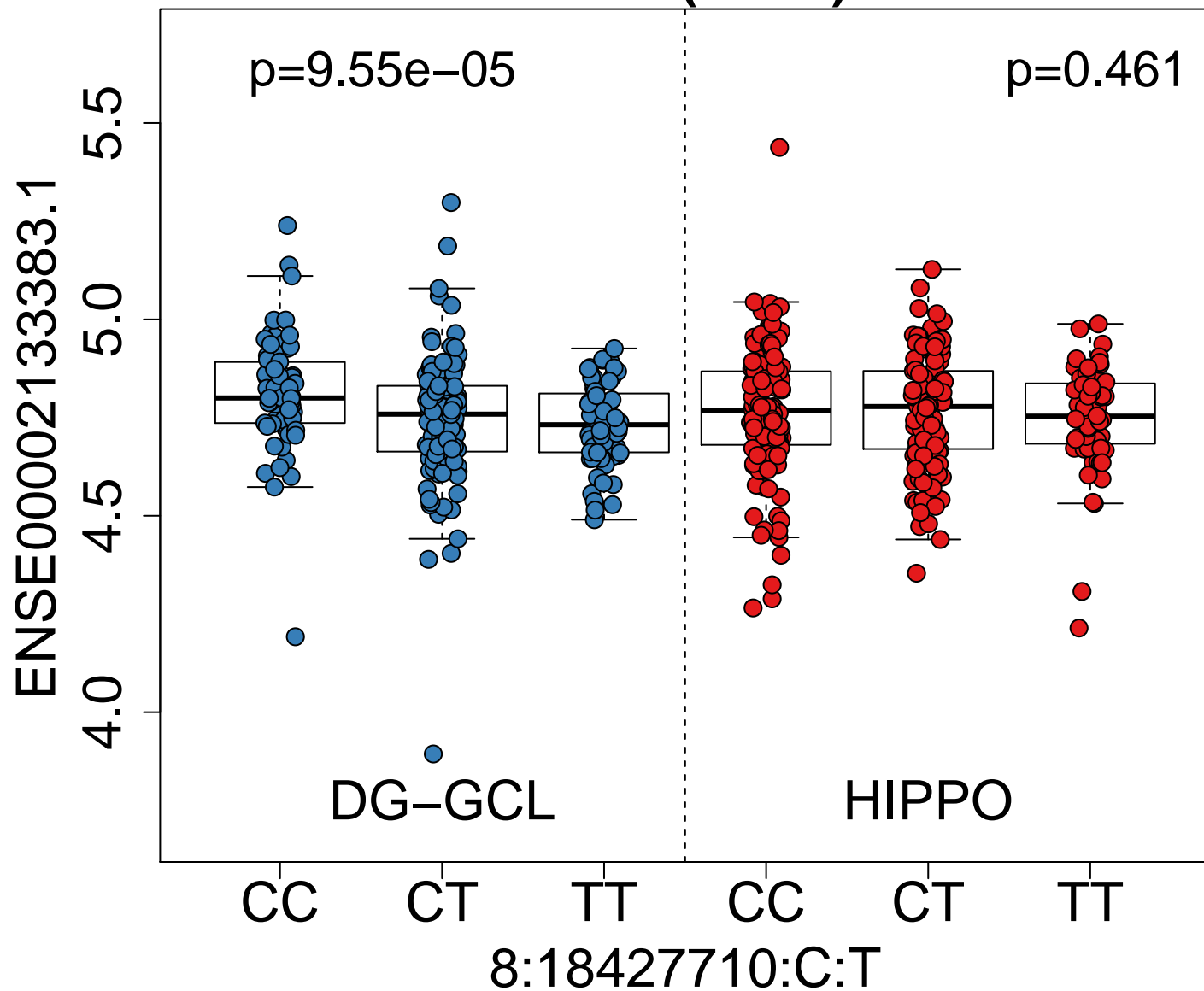
Index: rs2410572 ($R^2=0.828$)

PSD3 (Exon)



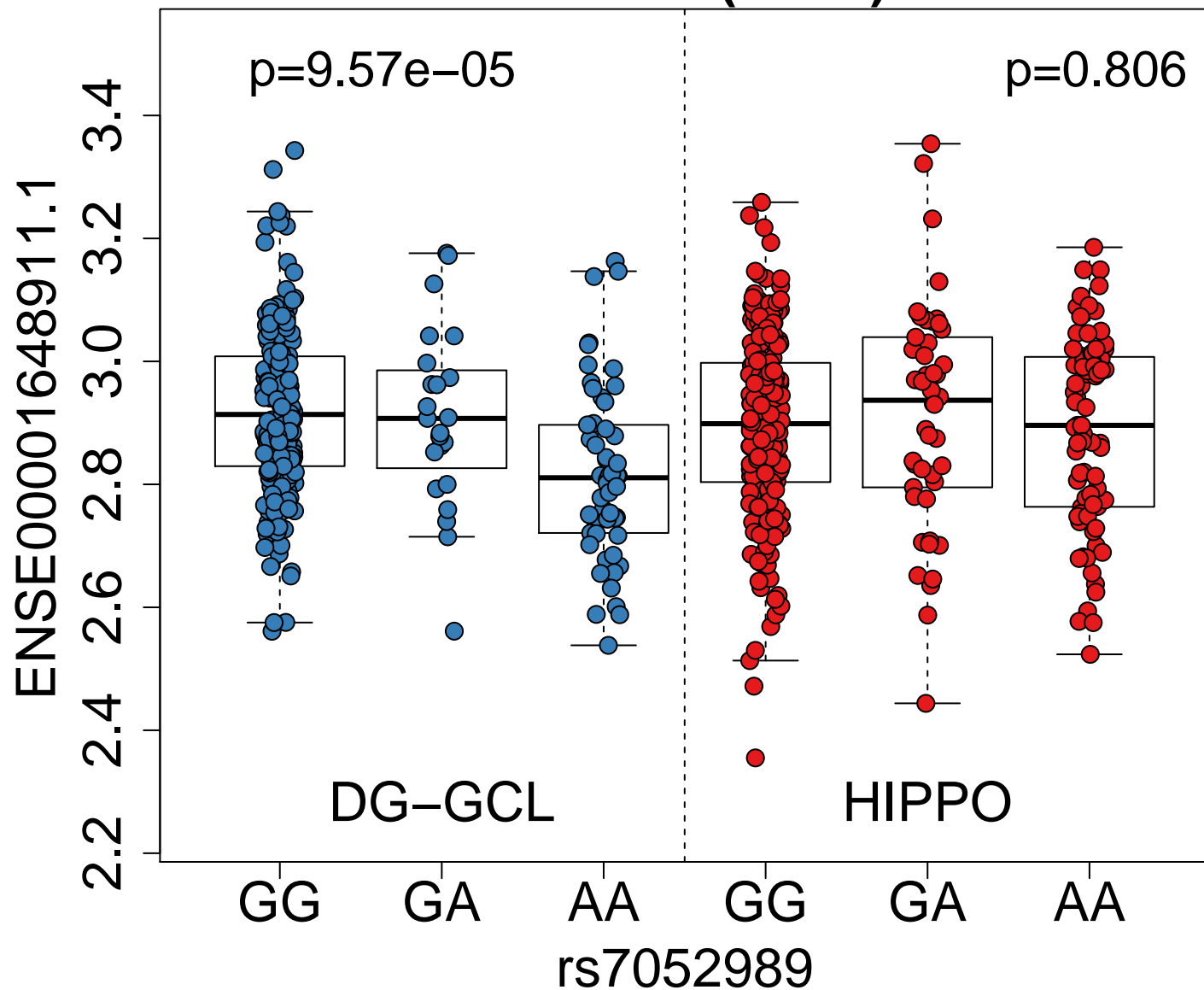
Index: rs2410572 ($R^2=0.828$)

PSD3 (Exon)



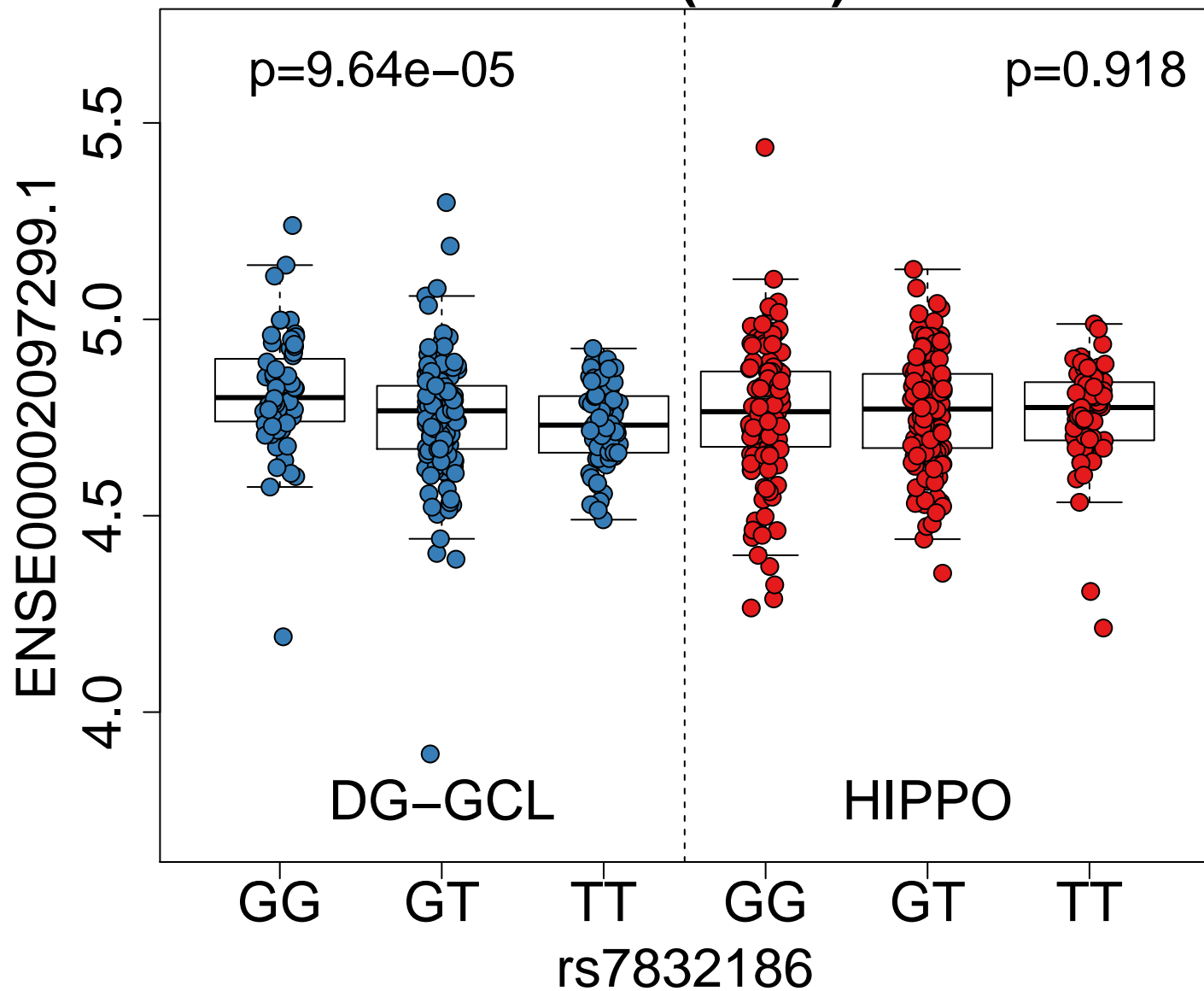
Index: rs12009217 ($R^2=0.974$)

NLGN4X (Exon)



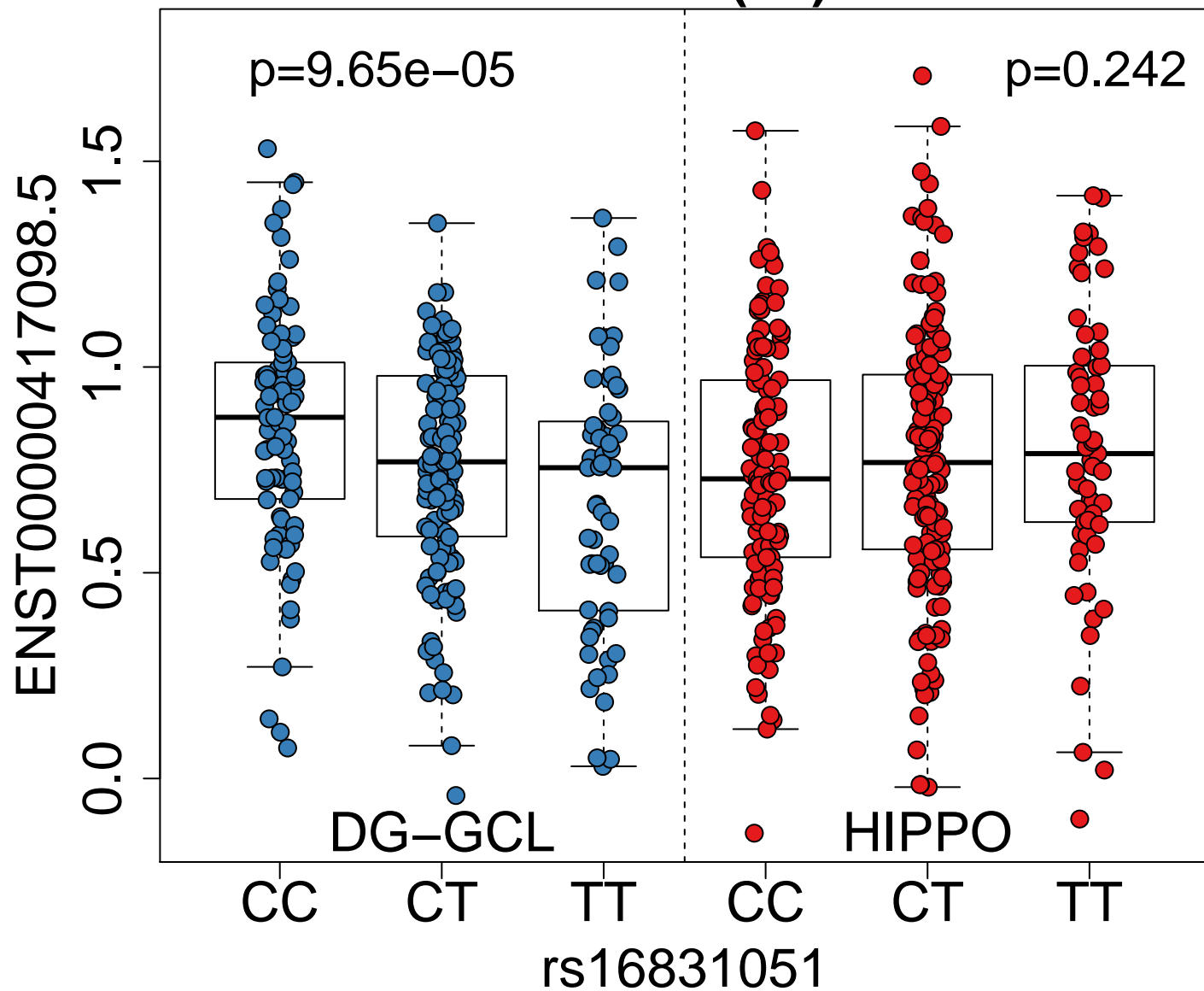
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



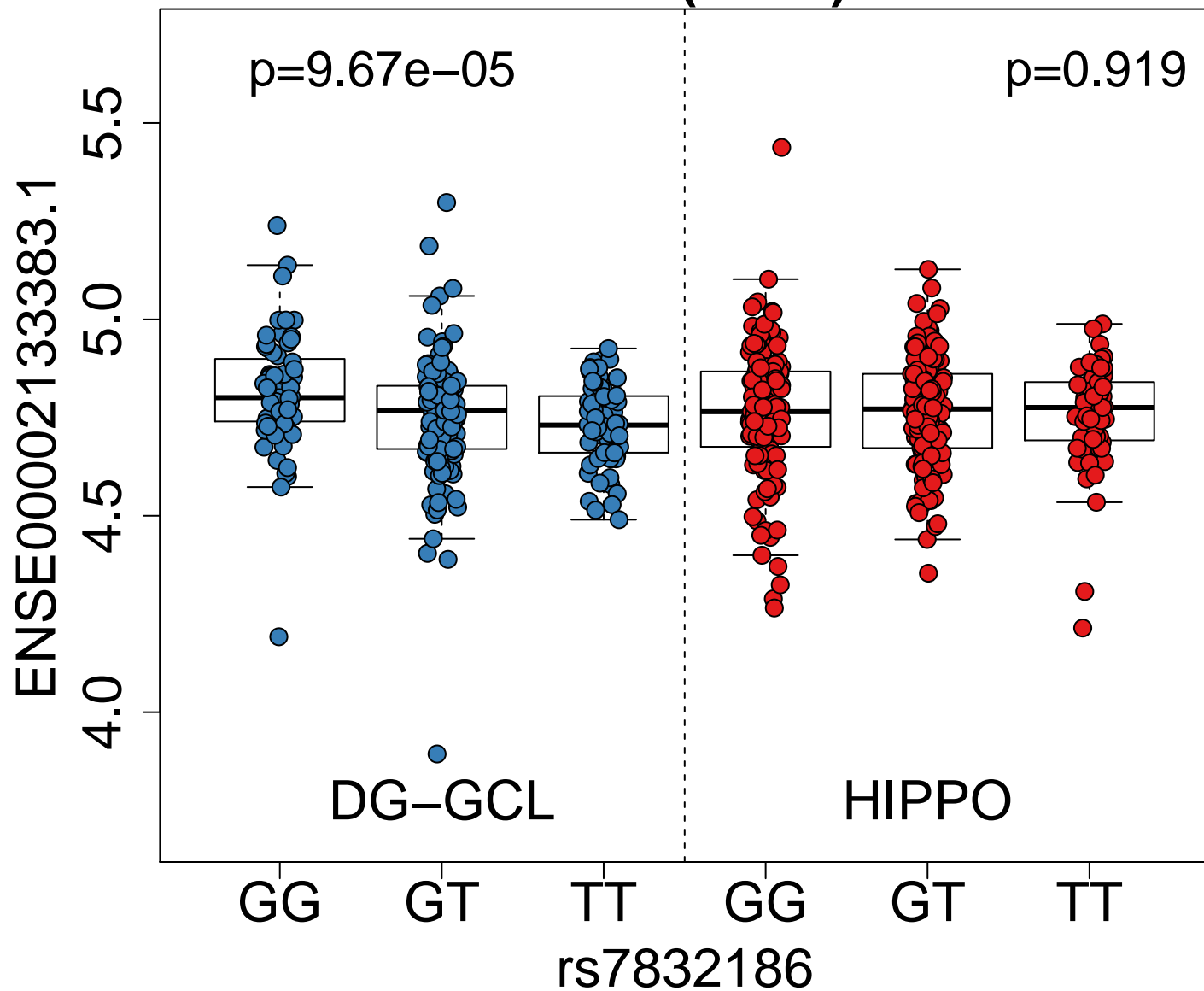
Index: rs1451488 ($R^2=0.88$)

SATB2 (Tx)



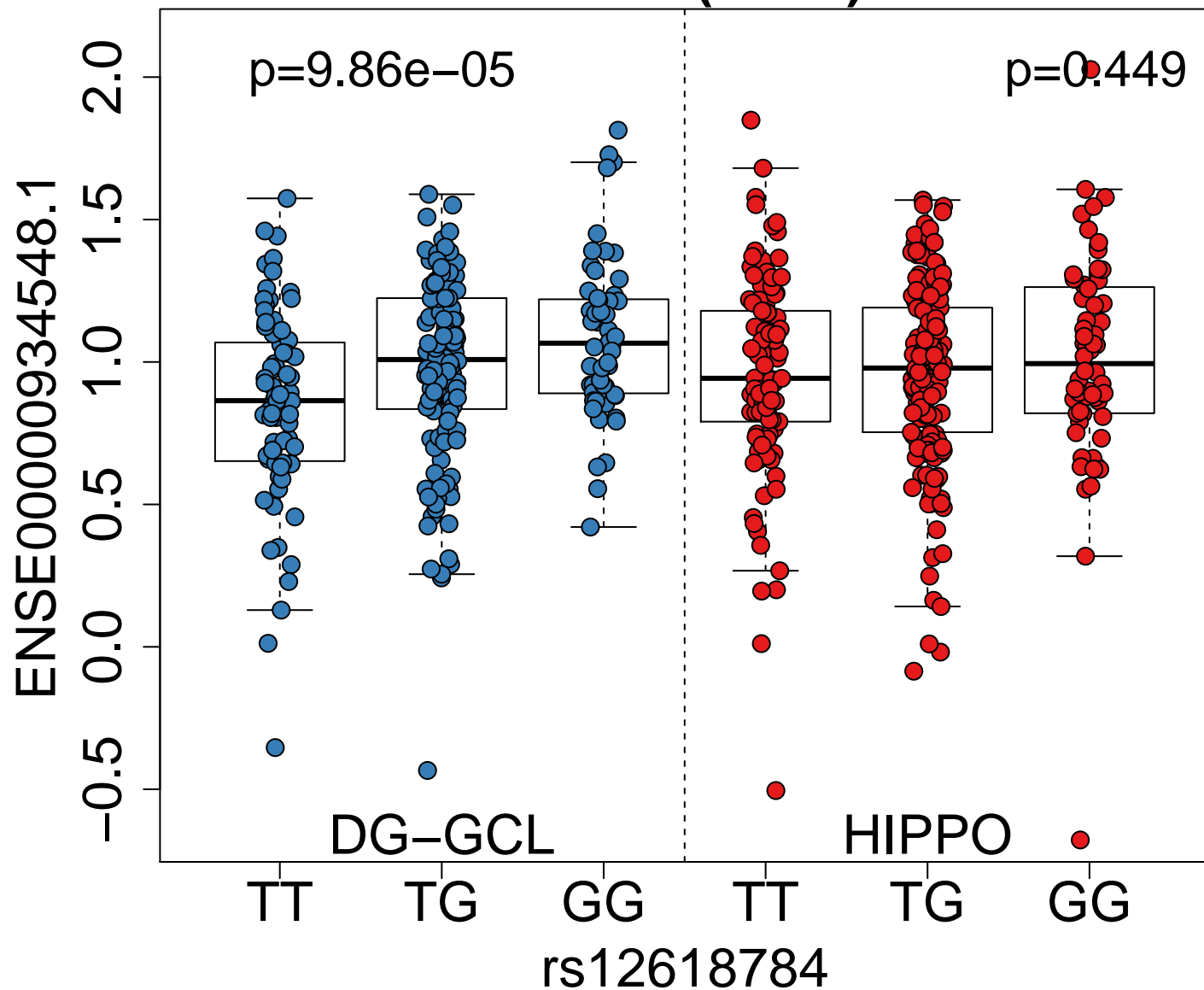
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



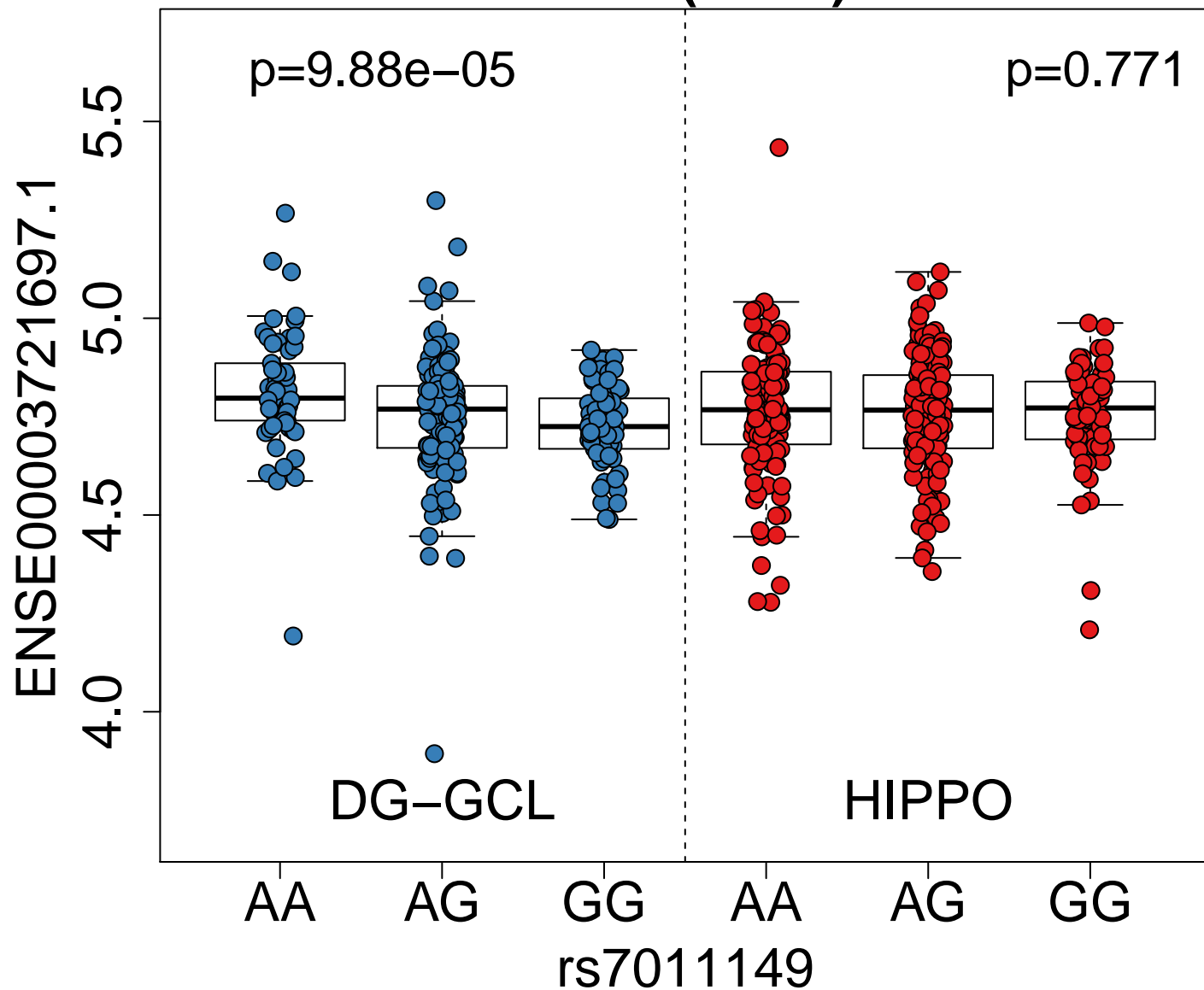
Index: rs1451488 ($R^2=0.835$)

SATB2 (Exon)



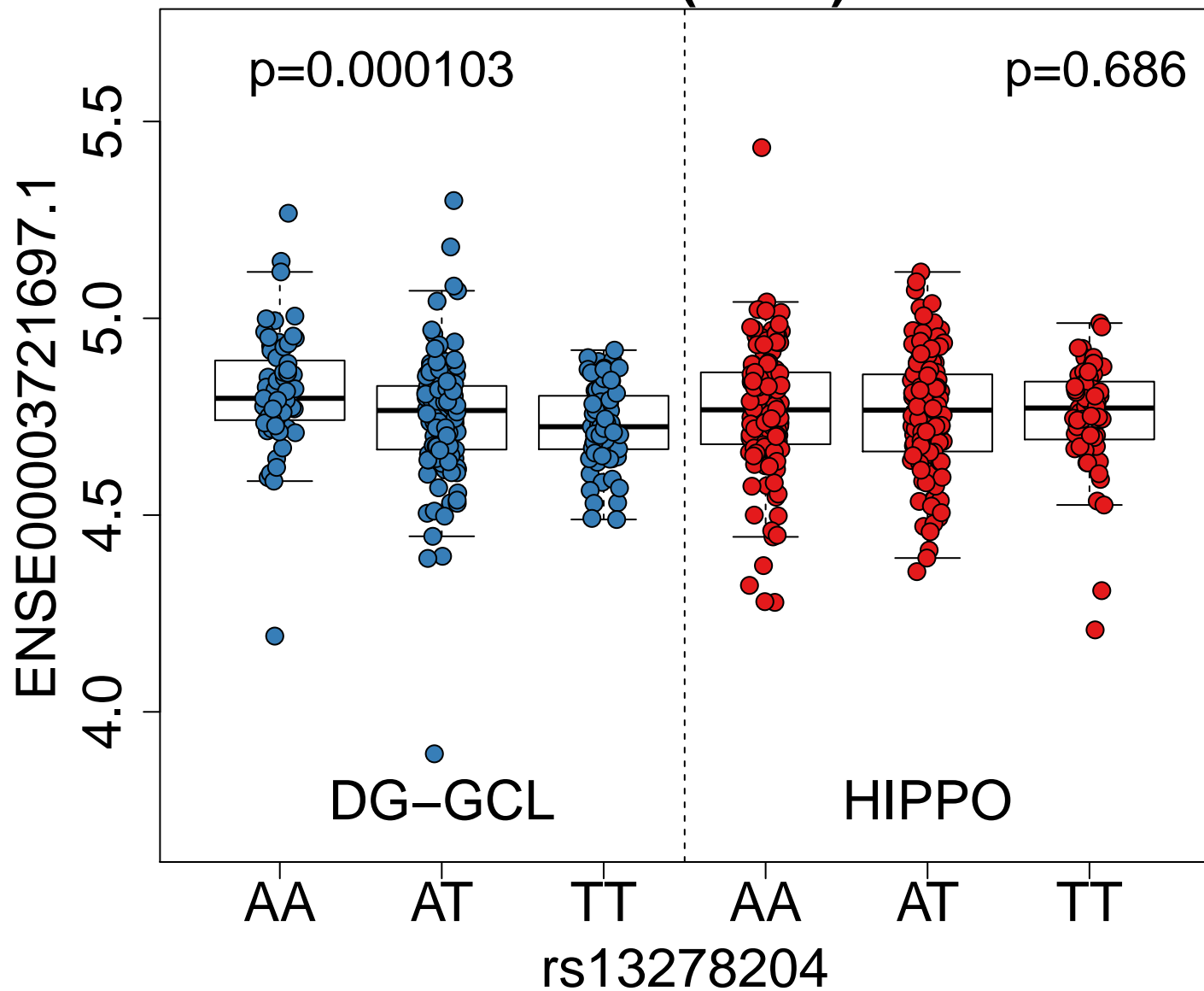
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



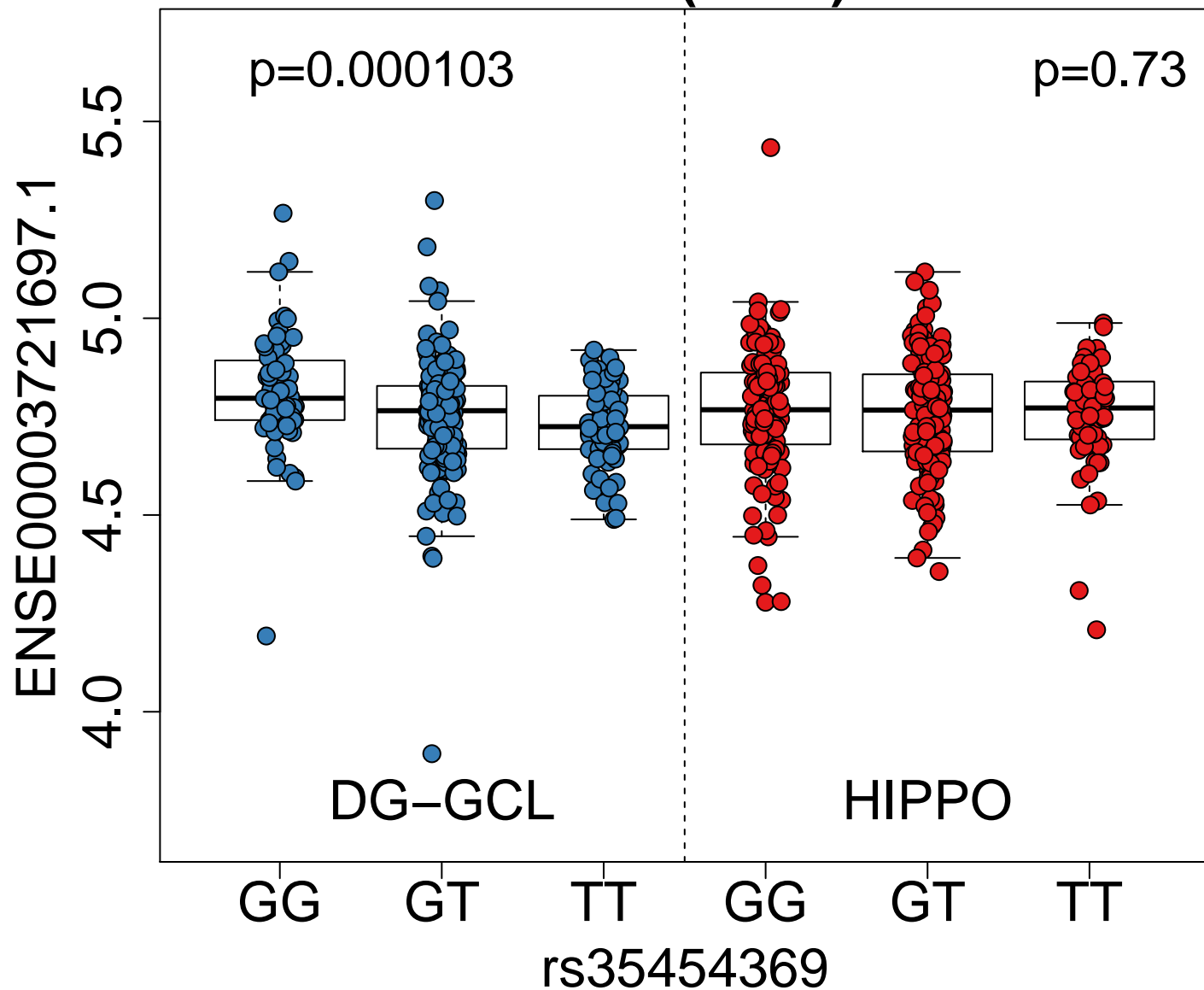
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



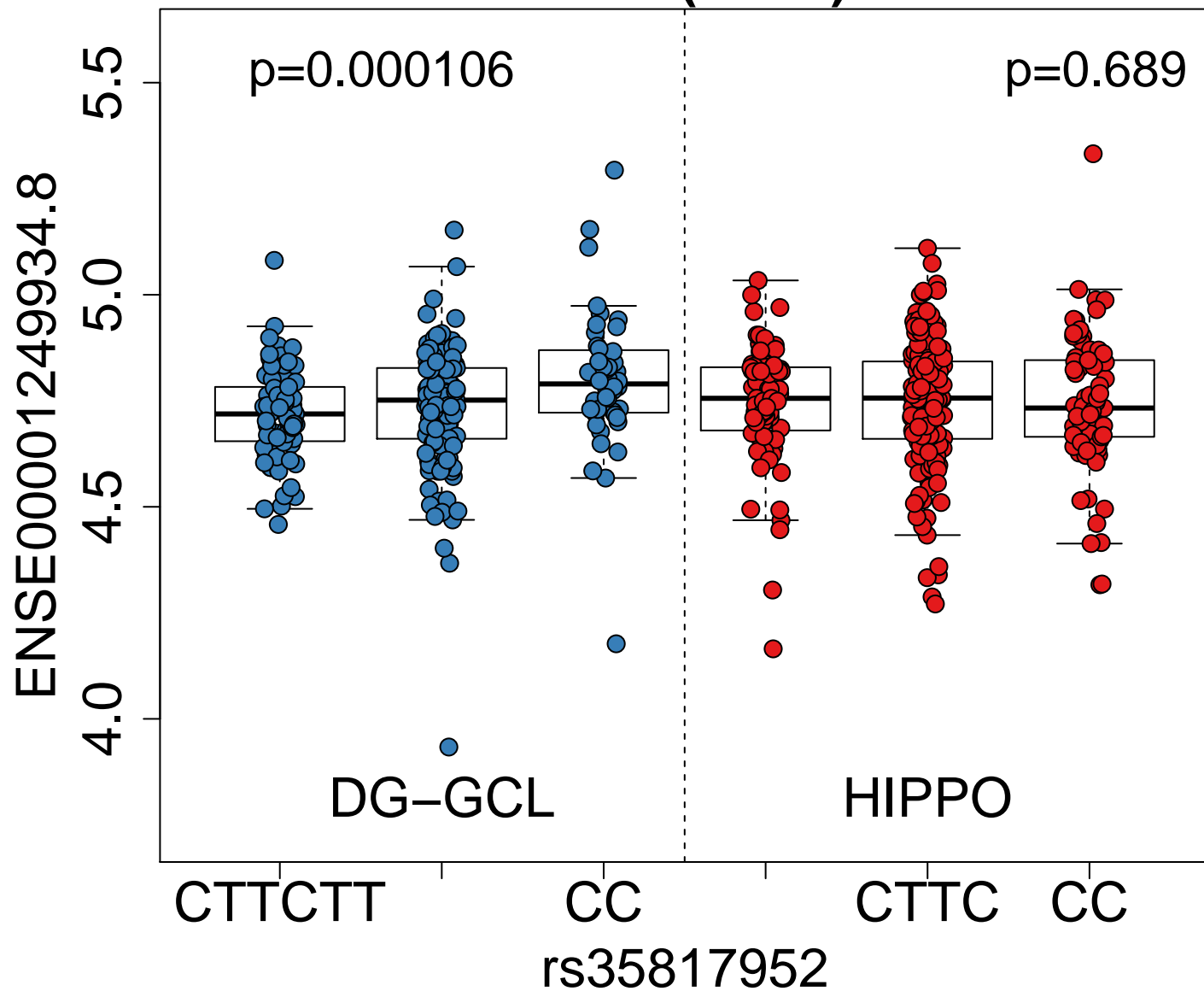
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



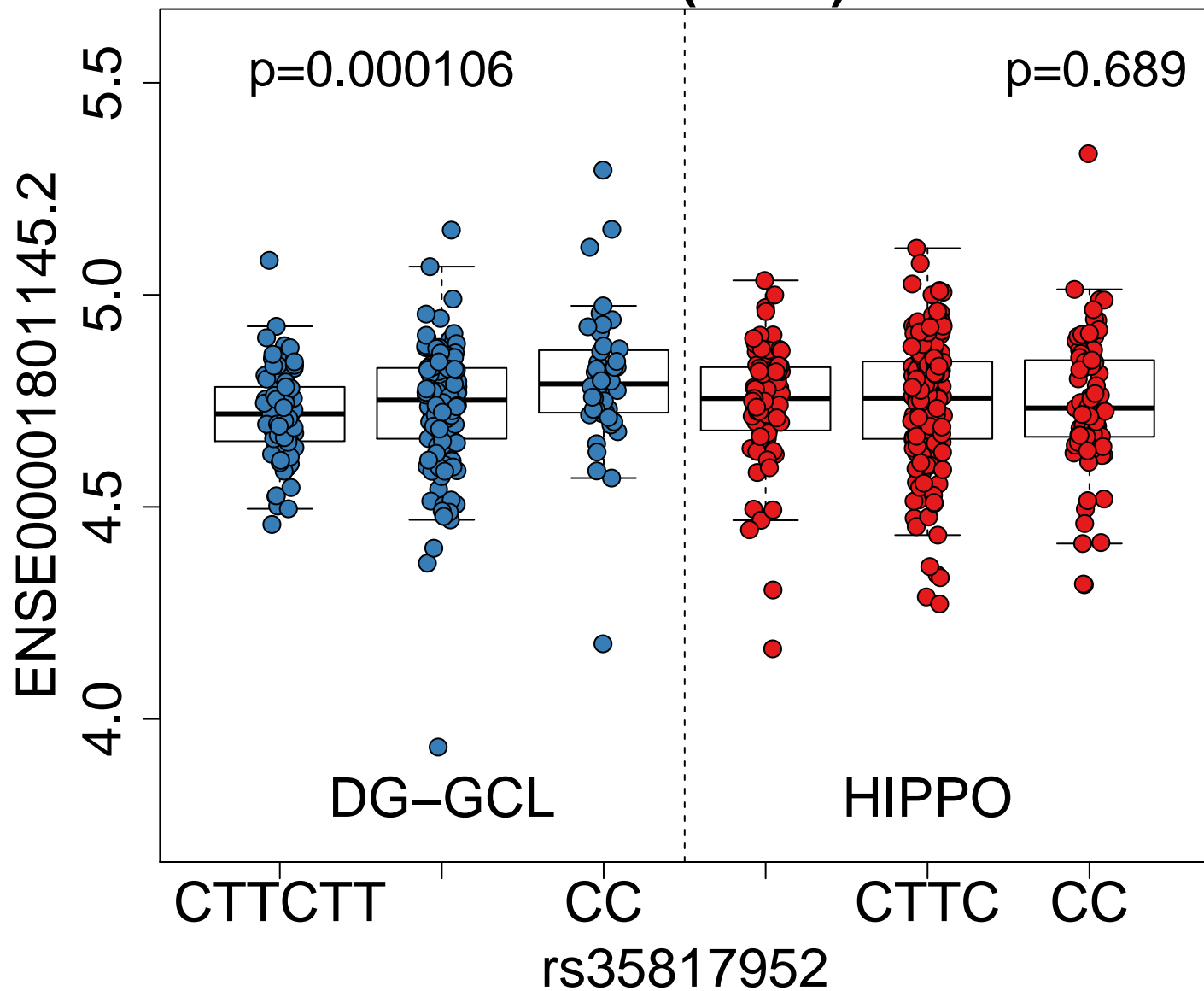
Index: rs2410572 ($R^2=0.832$)

PSD3 (Exon)



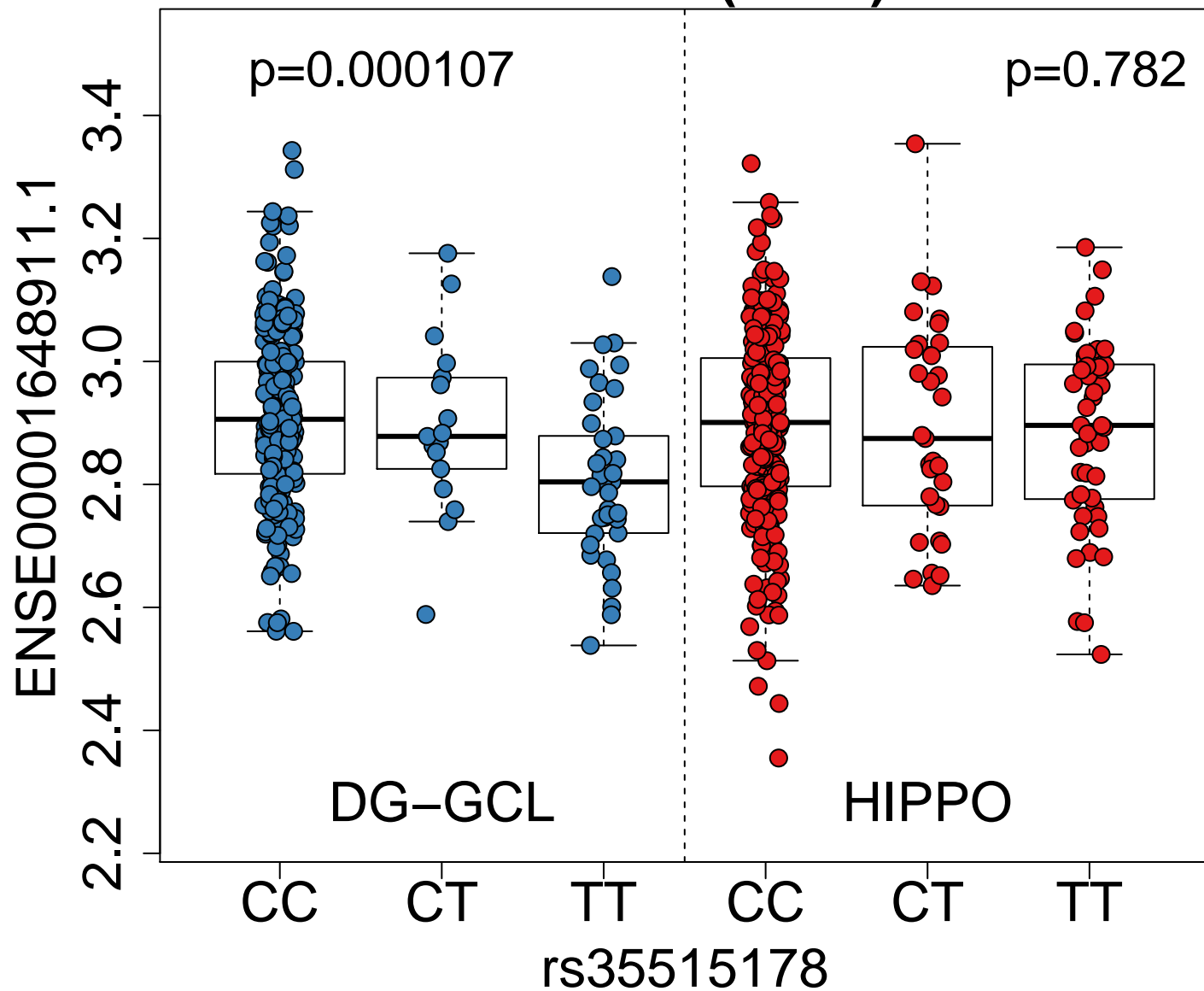
Index: rs2410572 ($R^2=0.832$)

PSD3 (Exon)



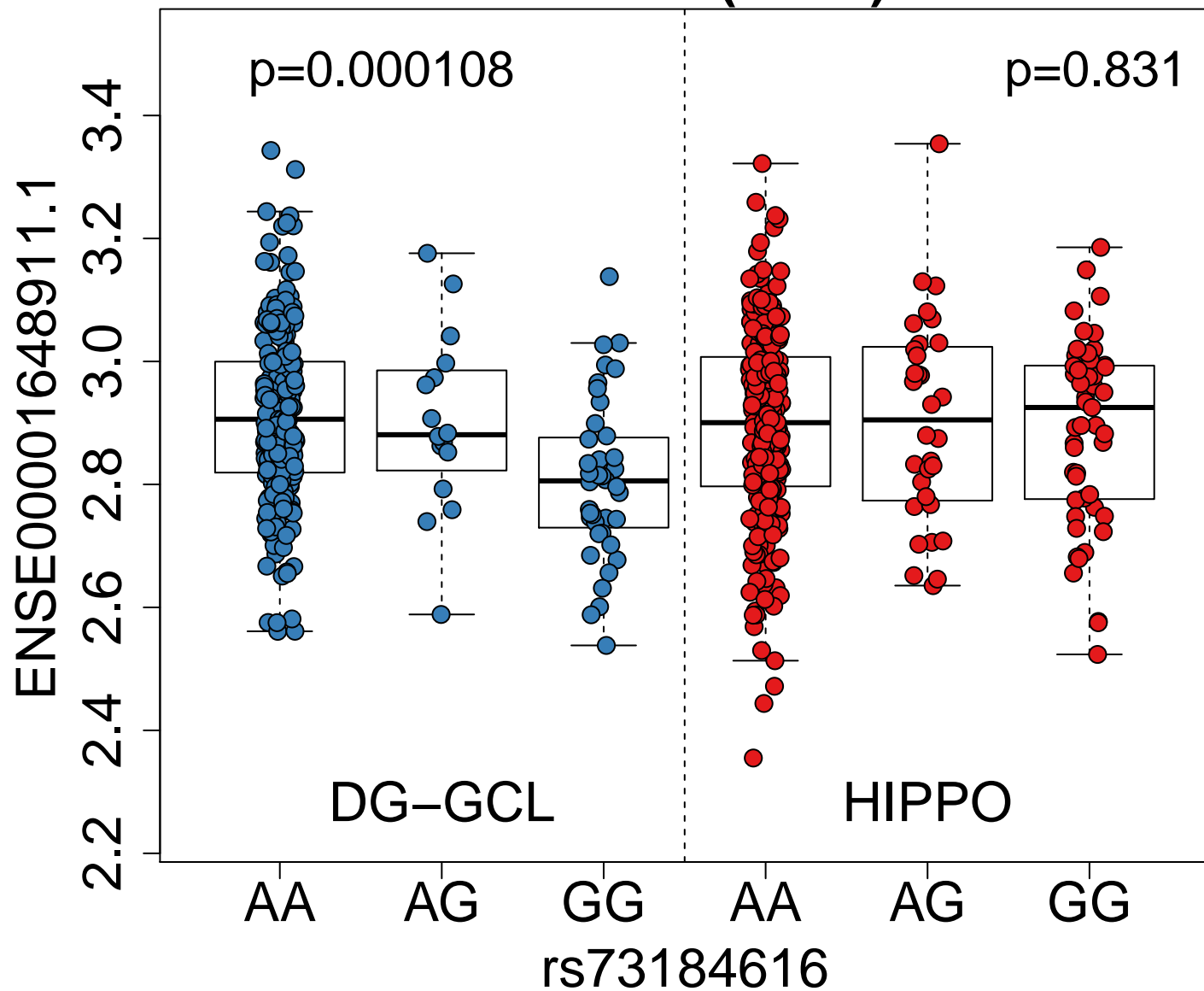
Index: rs12009217 ($R^2=0.949$)

NLGN4X (Exon)



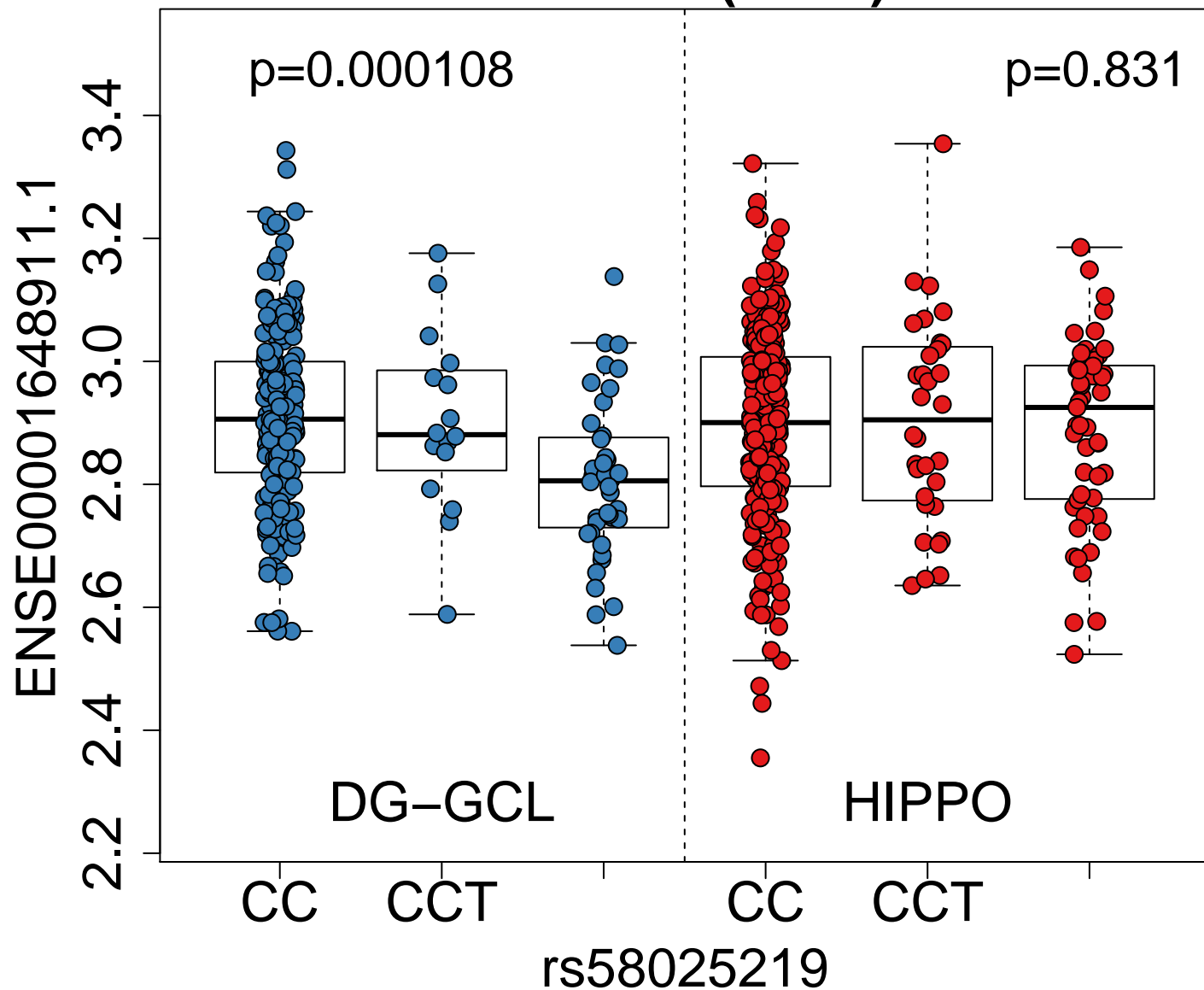
Index: rs12009217 ($R^2=0.958$)

NLGN4X (Exon)



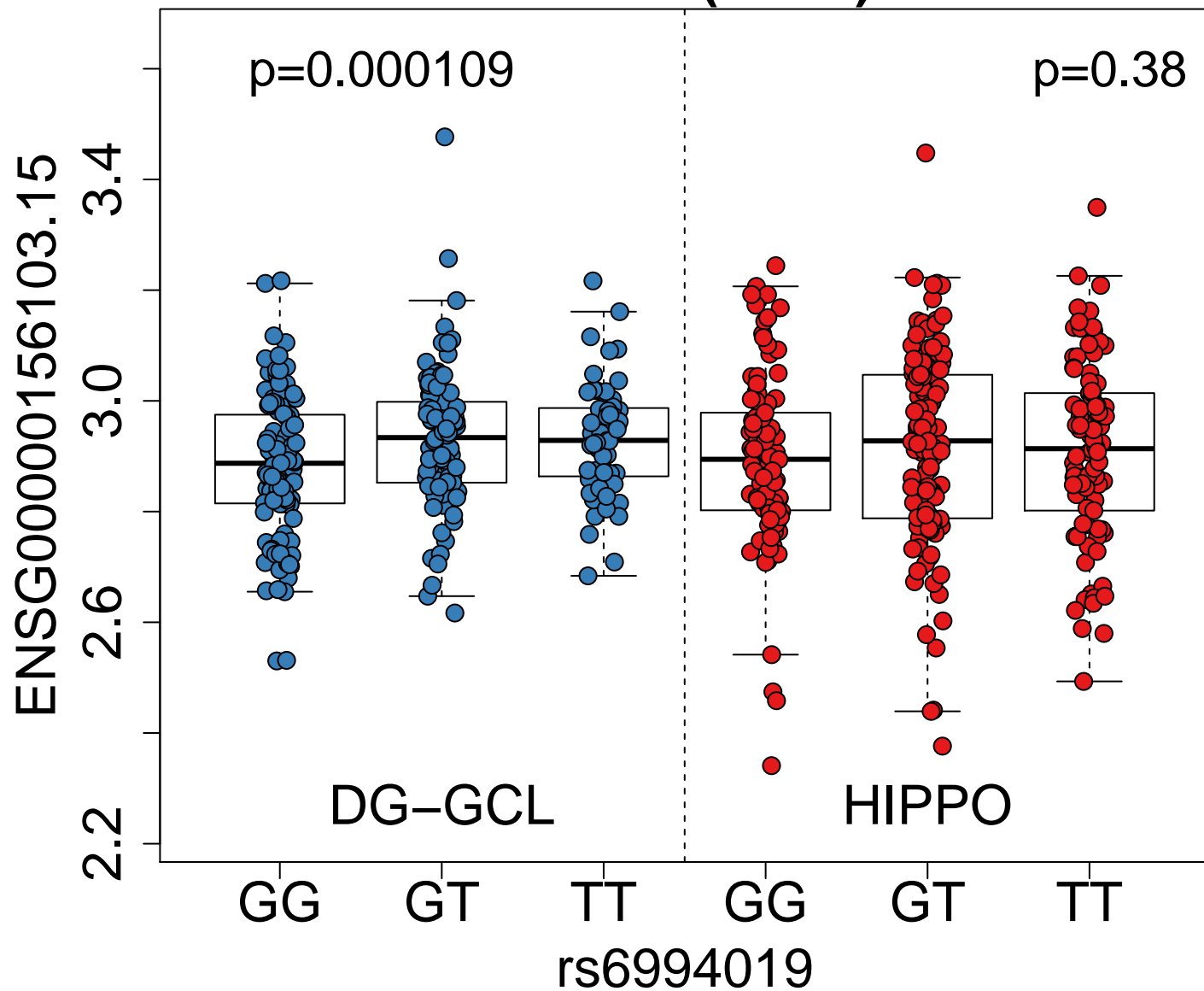
Index: rs12009217 ($R^2=0.958$)

NLGN4X (Exon)



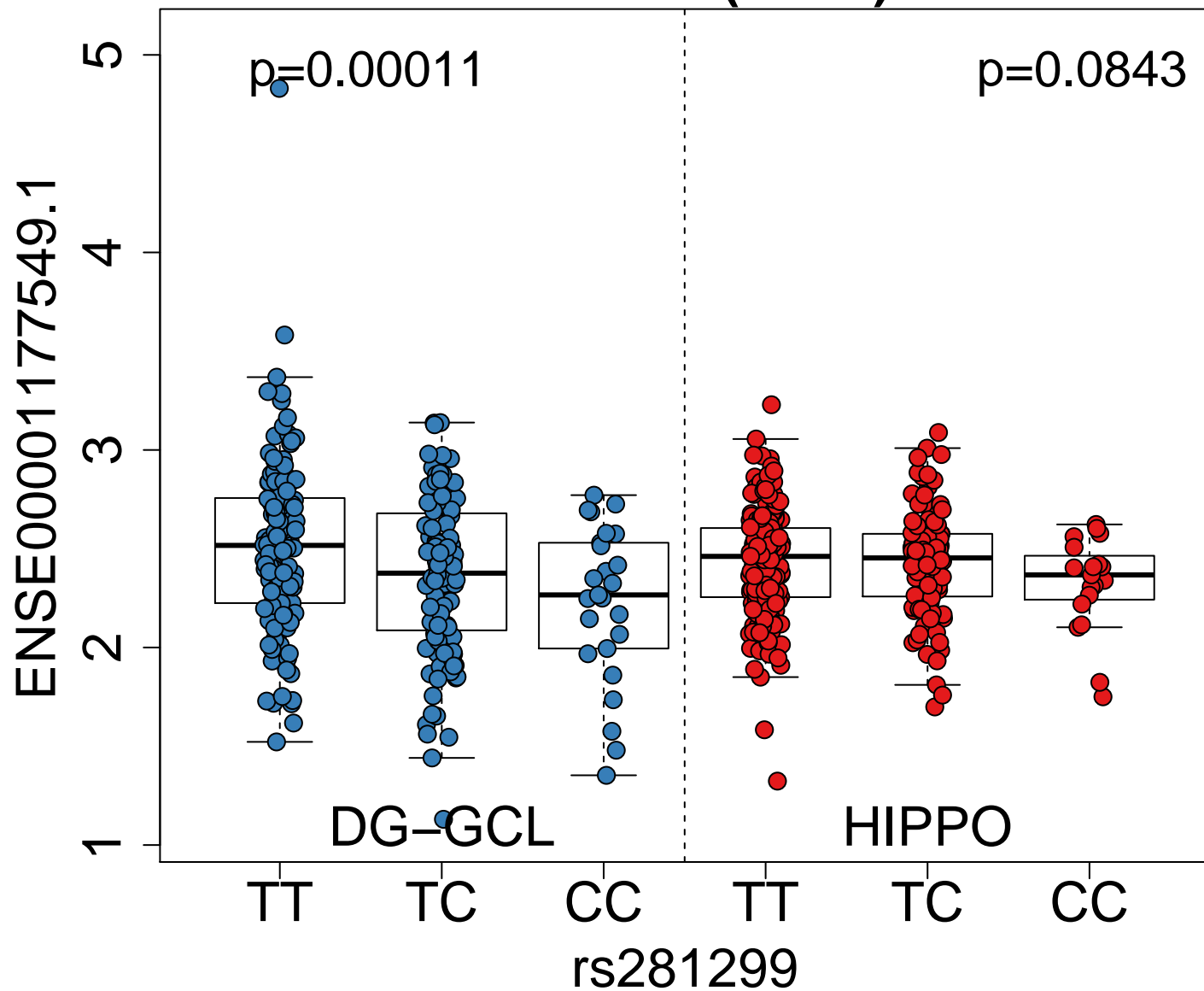
Index: rs7010876 ($R^2=0.923$)

MMP16 (Gene)



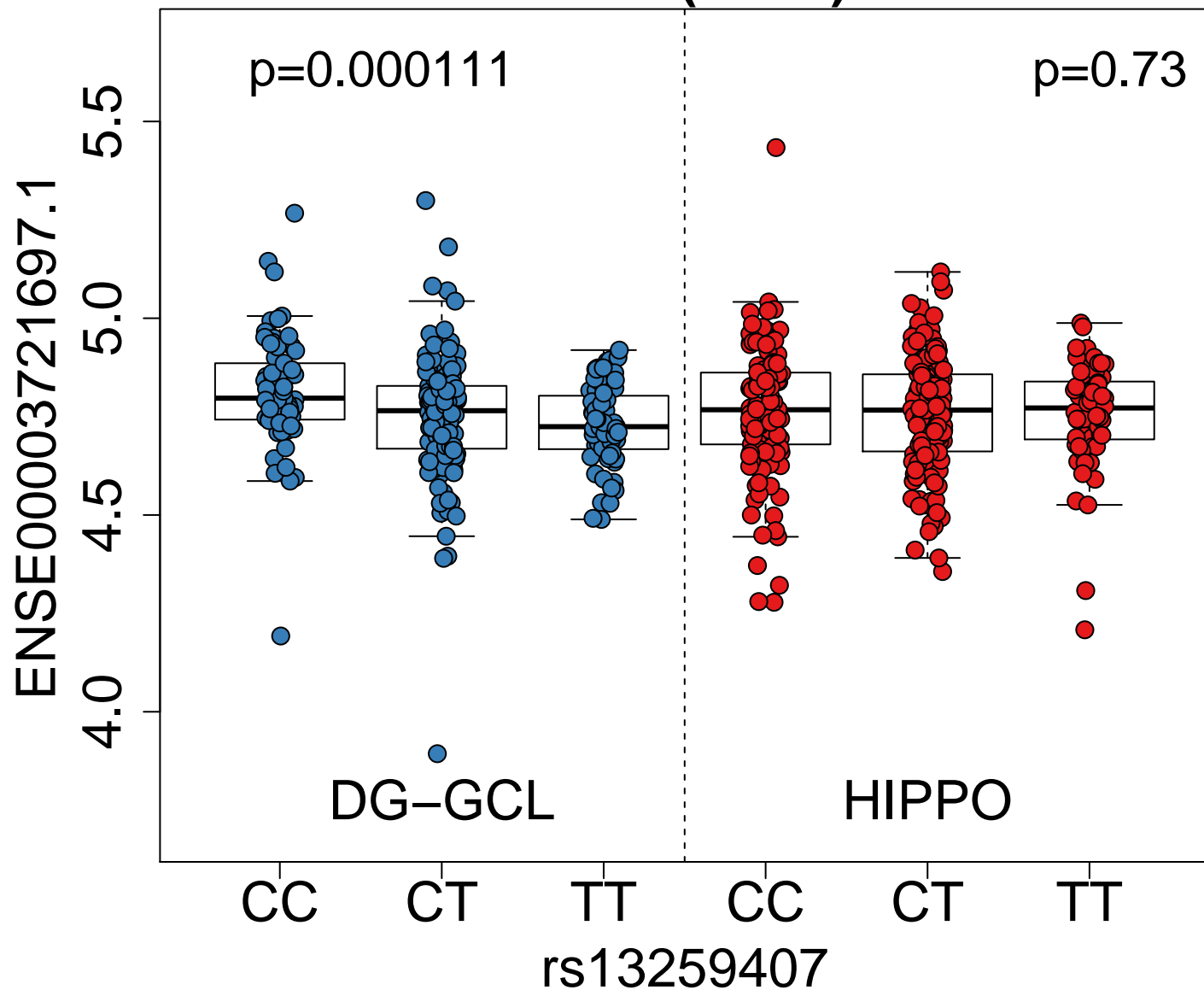
Index: rs281299 ($R^2=1$)

SEMA6D (Exon)



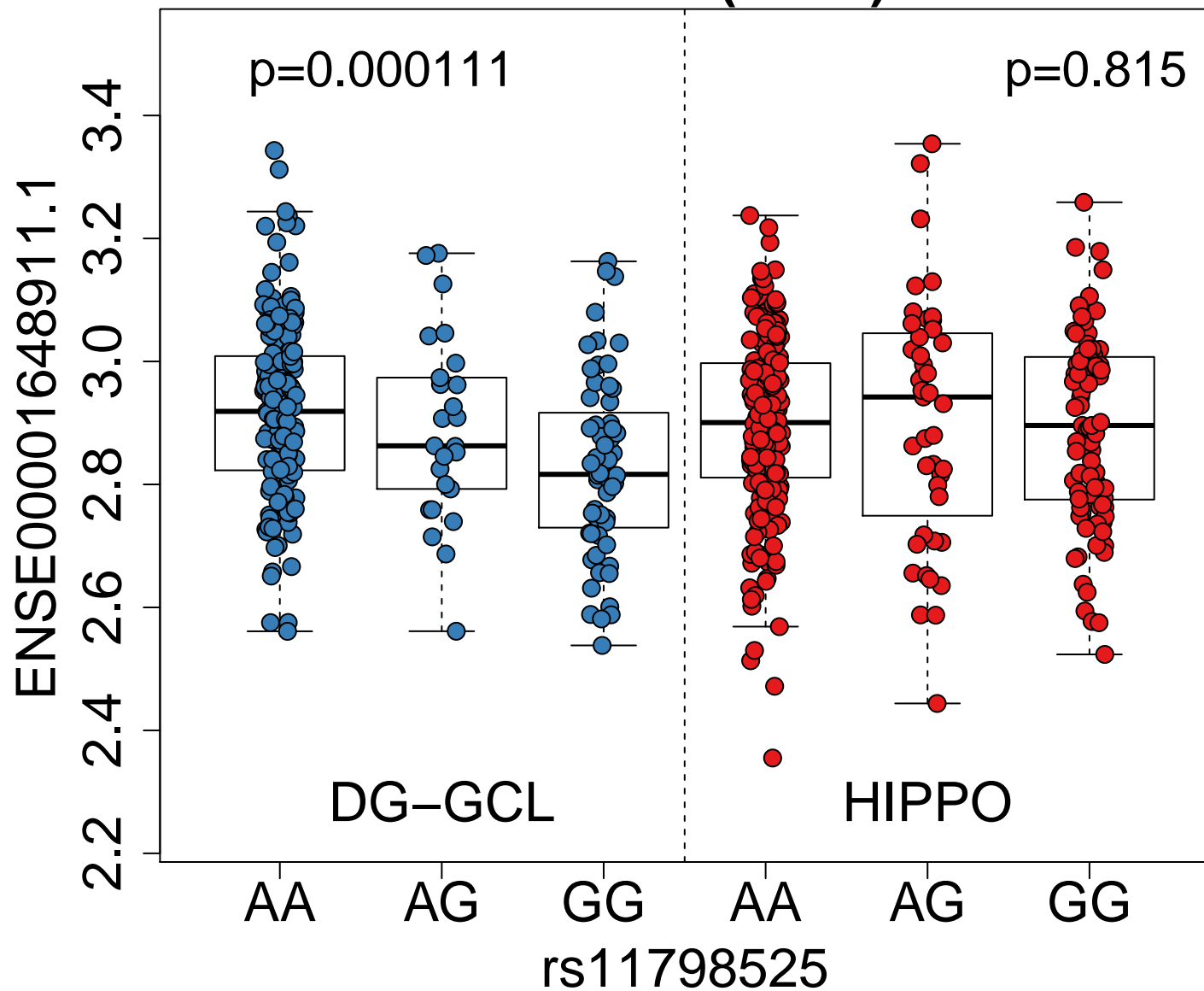
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



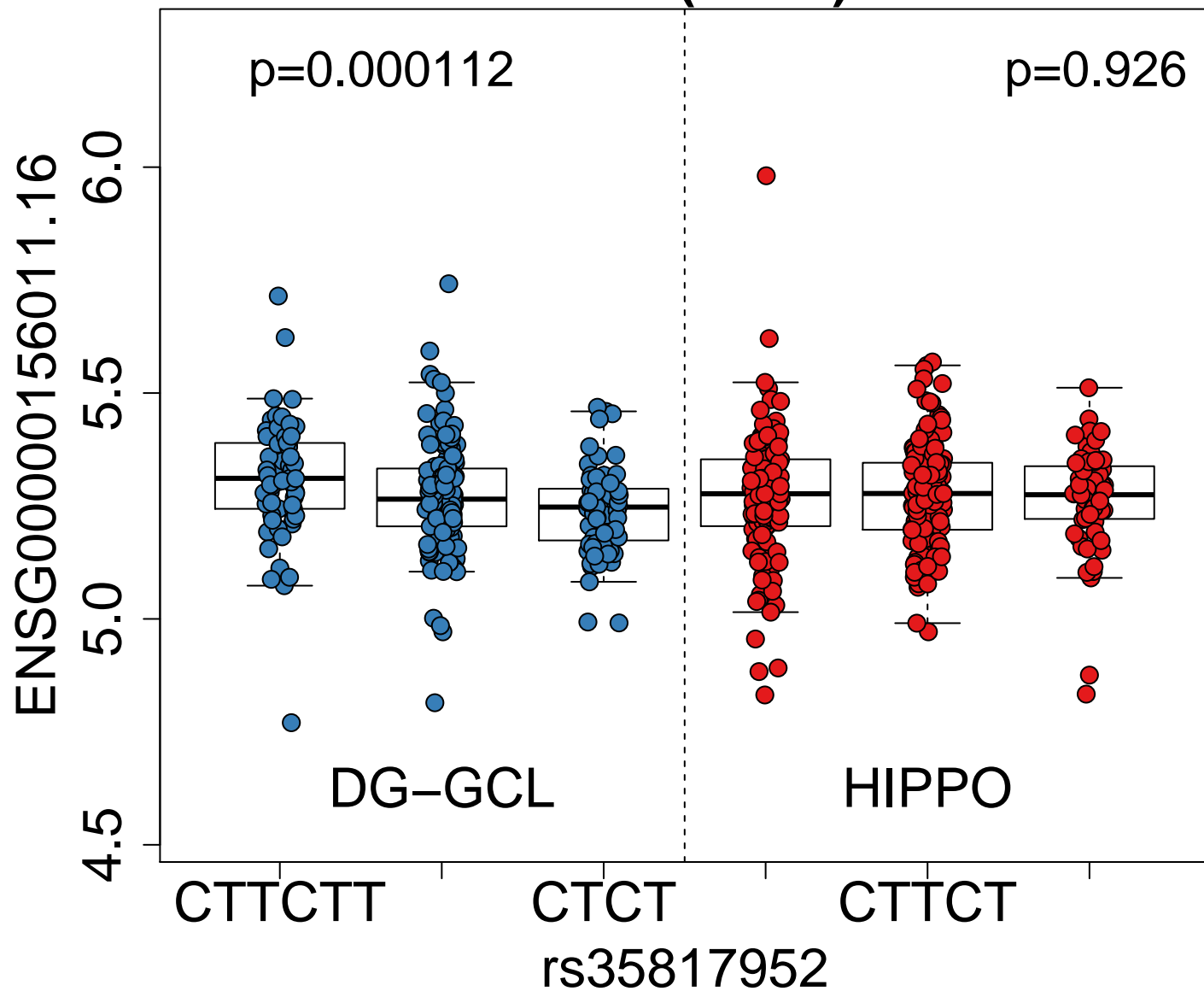
Index: rs12009217 ($R^2=0.956$)

NLGN4X (Exon)



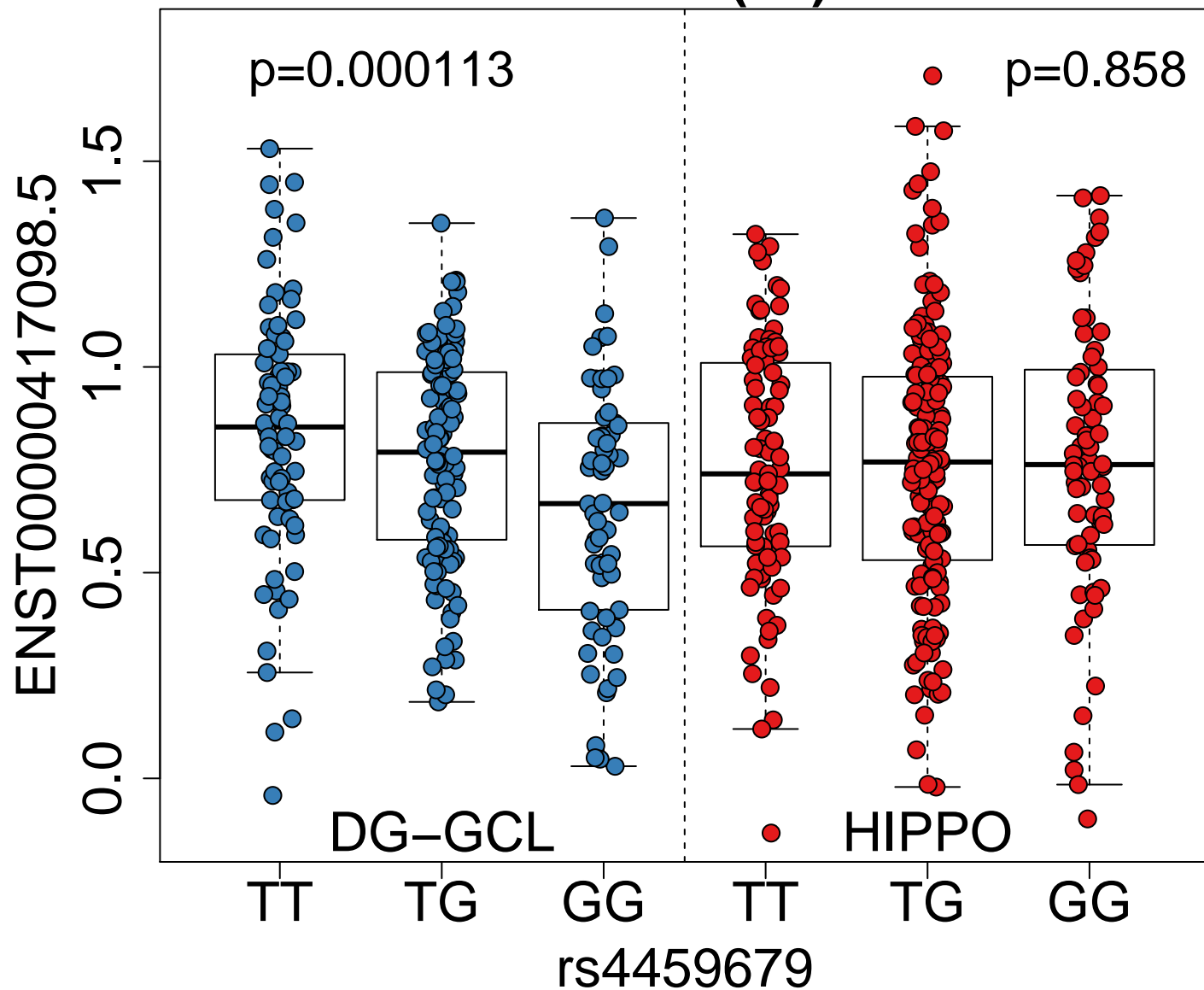
Index: rs2410572 ($R^2=0.832$)

PSD3 (Gene)

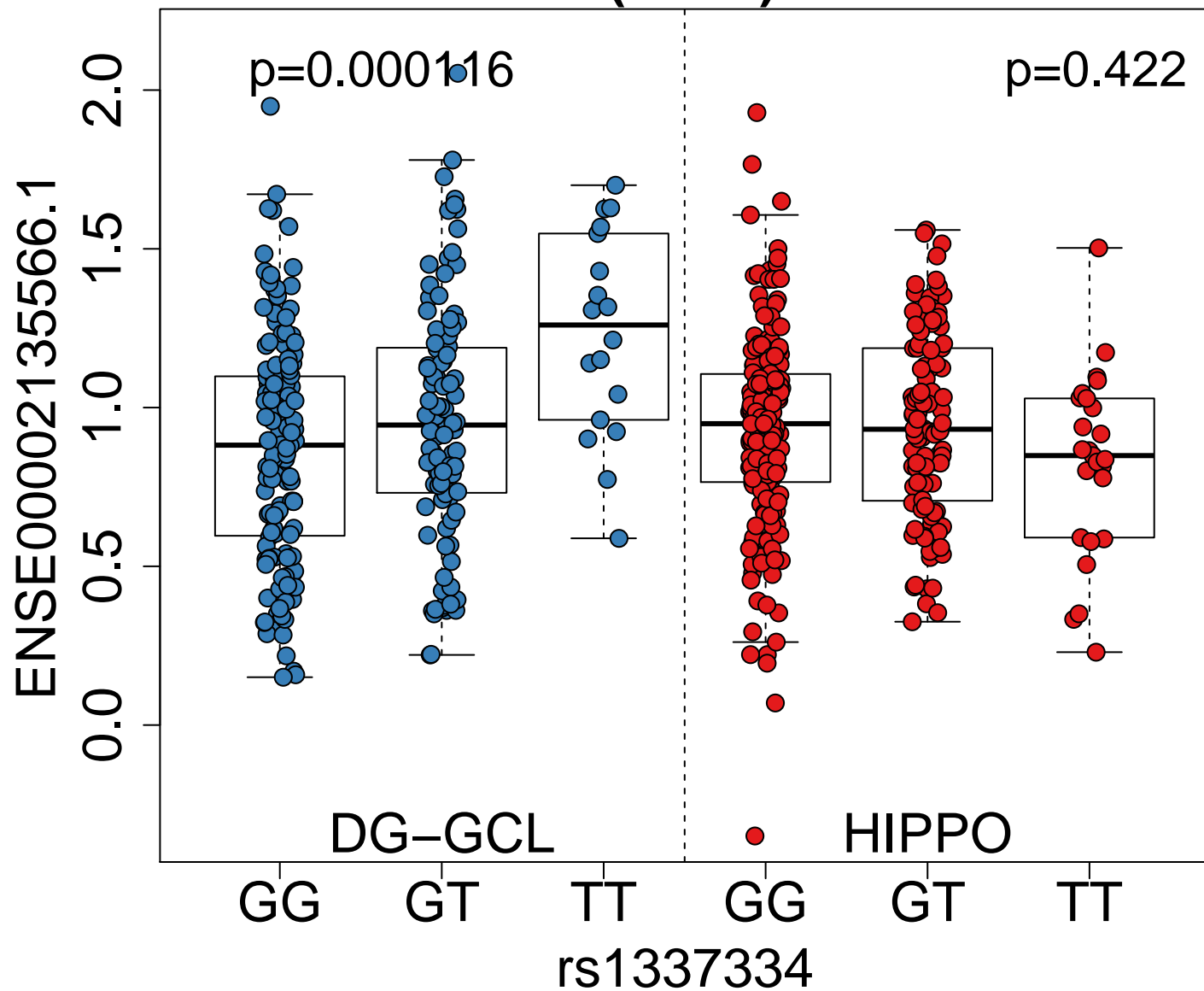


Index: rs1451488 ($R^2=0.81$)

SATB2 (Tx)

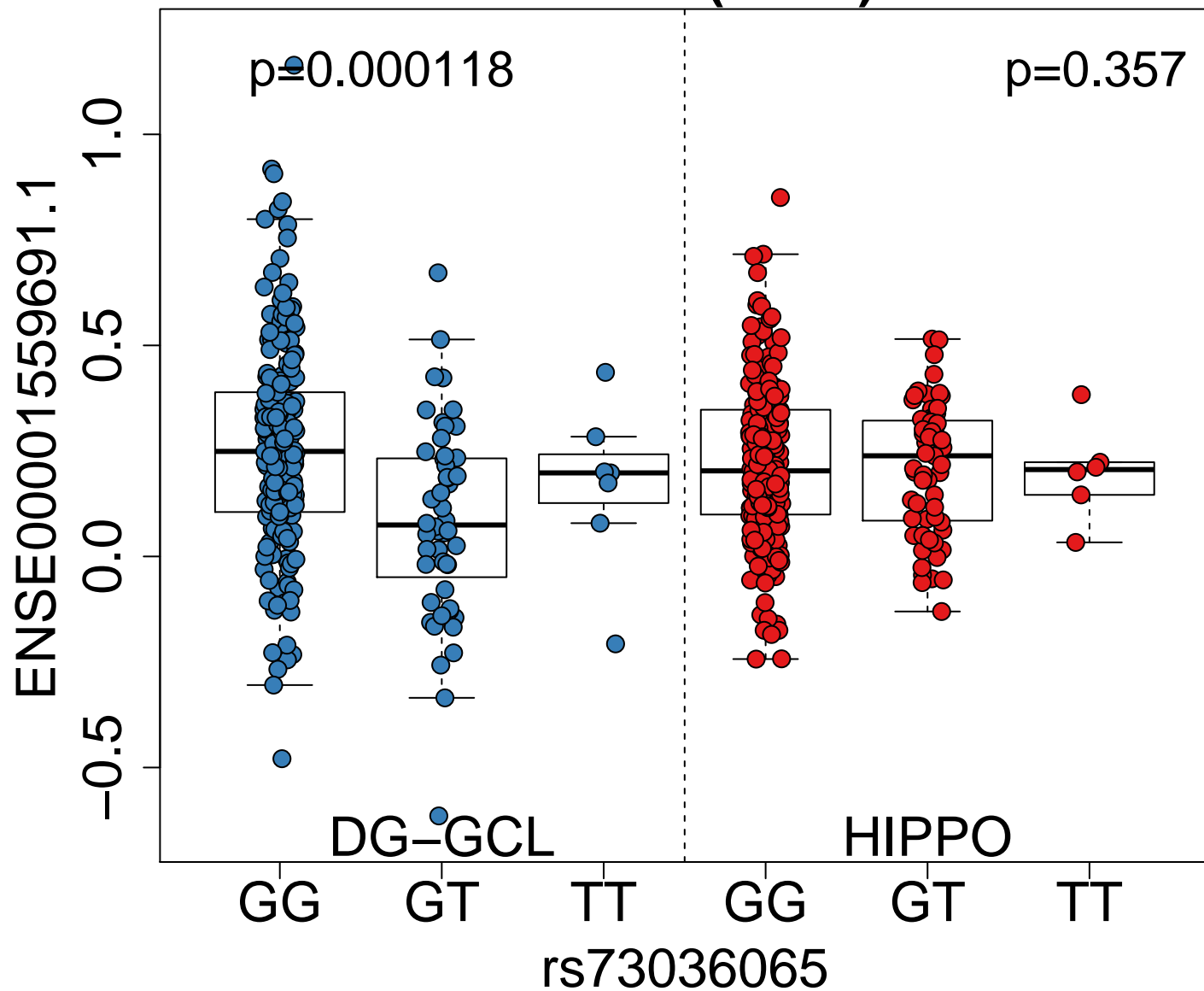


Index: rs760608 ($R^2=0.995$)
(Exon)

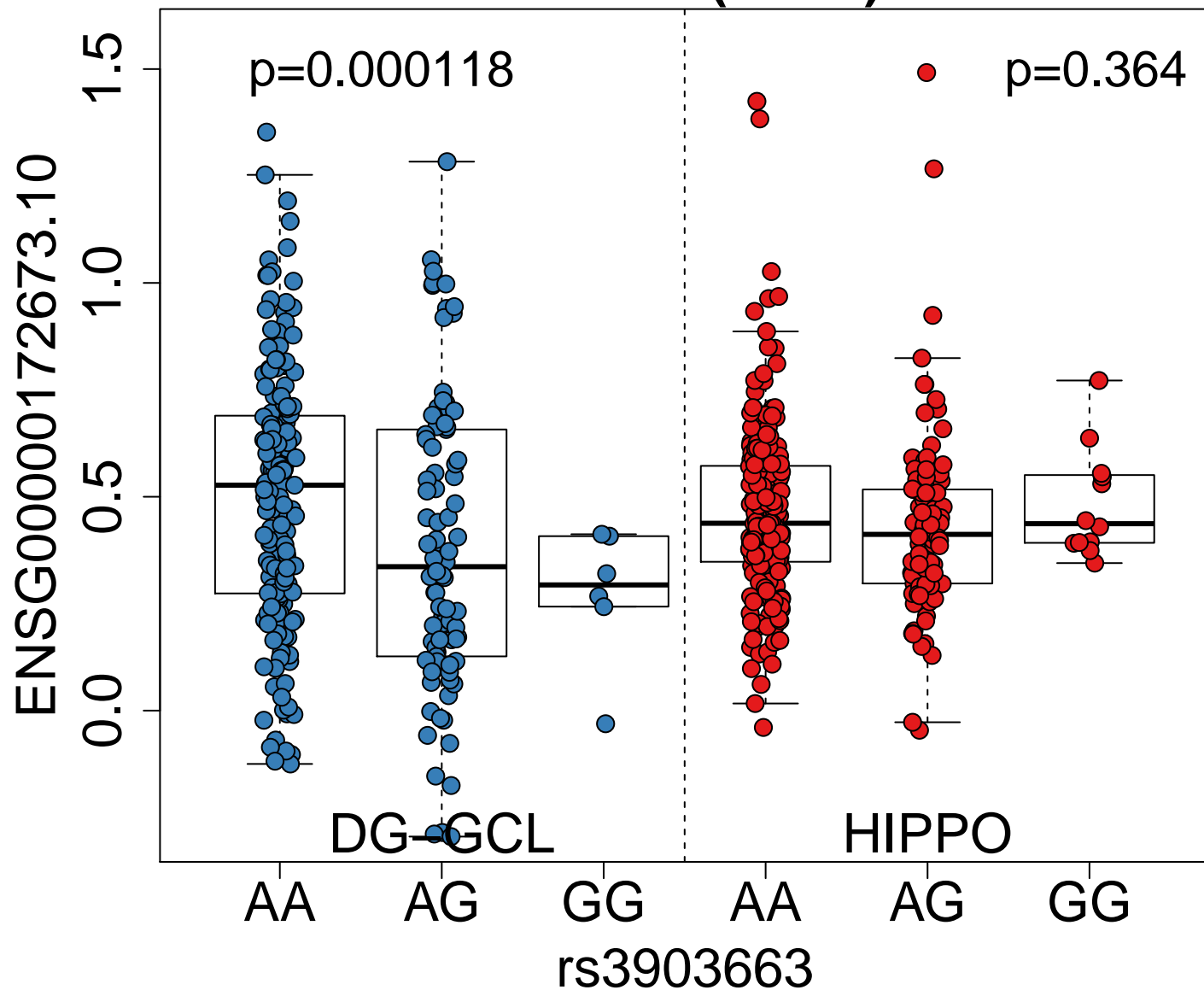


Index: rs4936215 ($R^2=0.802$)

IGSF9B (Exon)

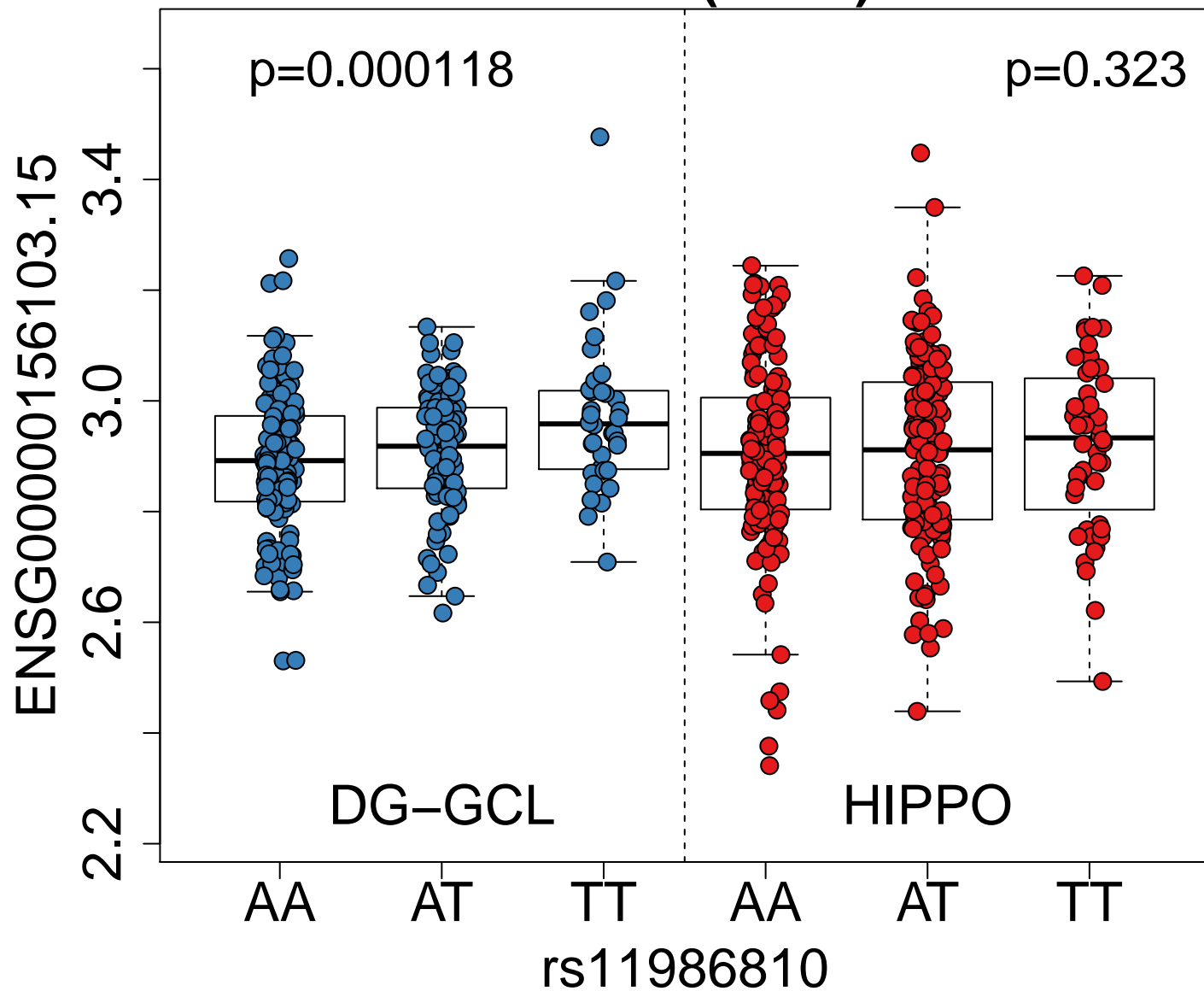


Index: rs35736453 ($R^2=1$)
THEMIS (Gene)

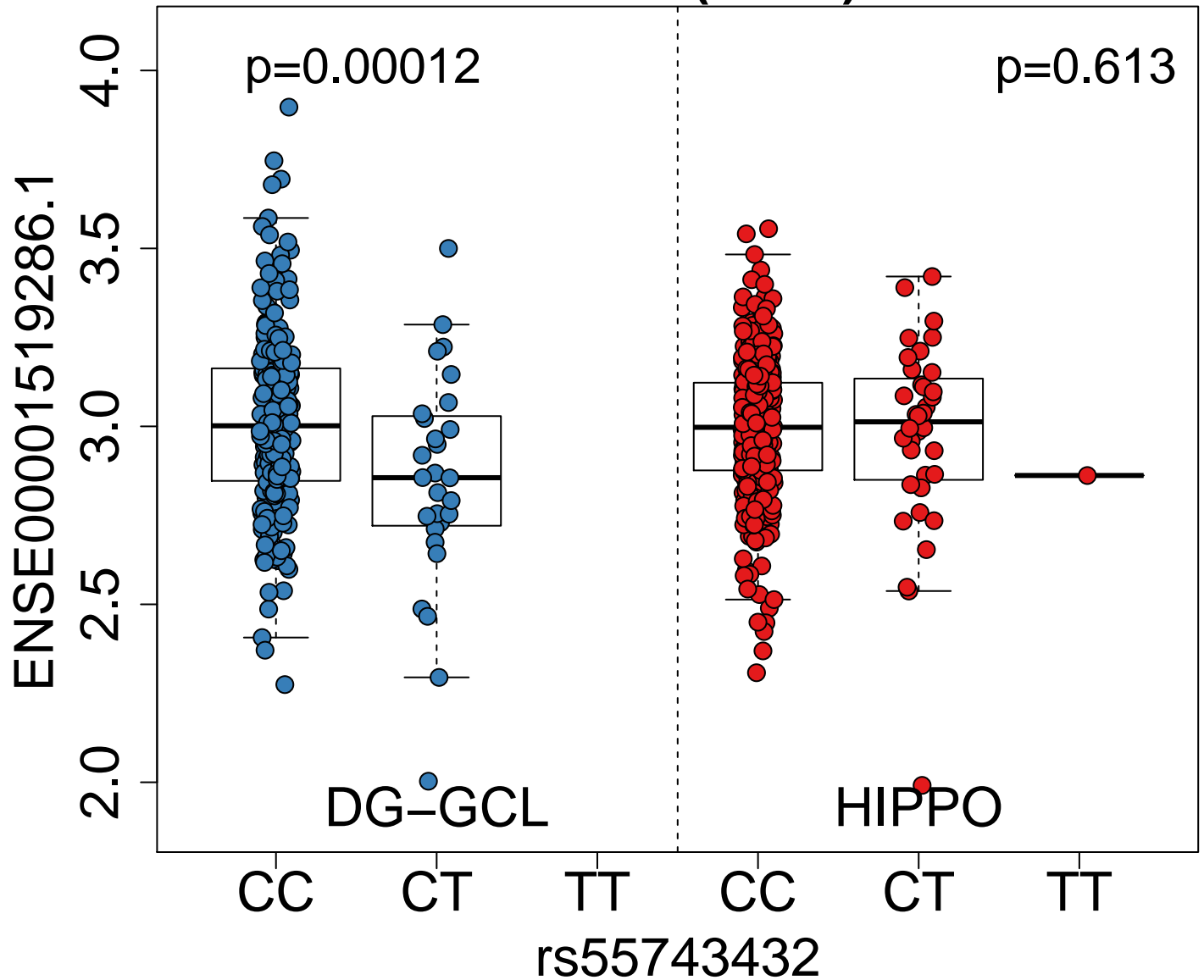


Index: rs7010876 ($R^2=0.803$)

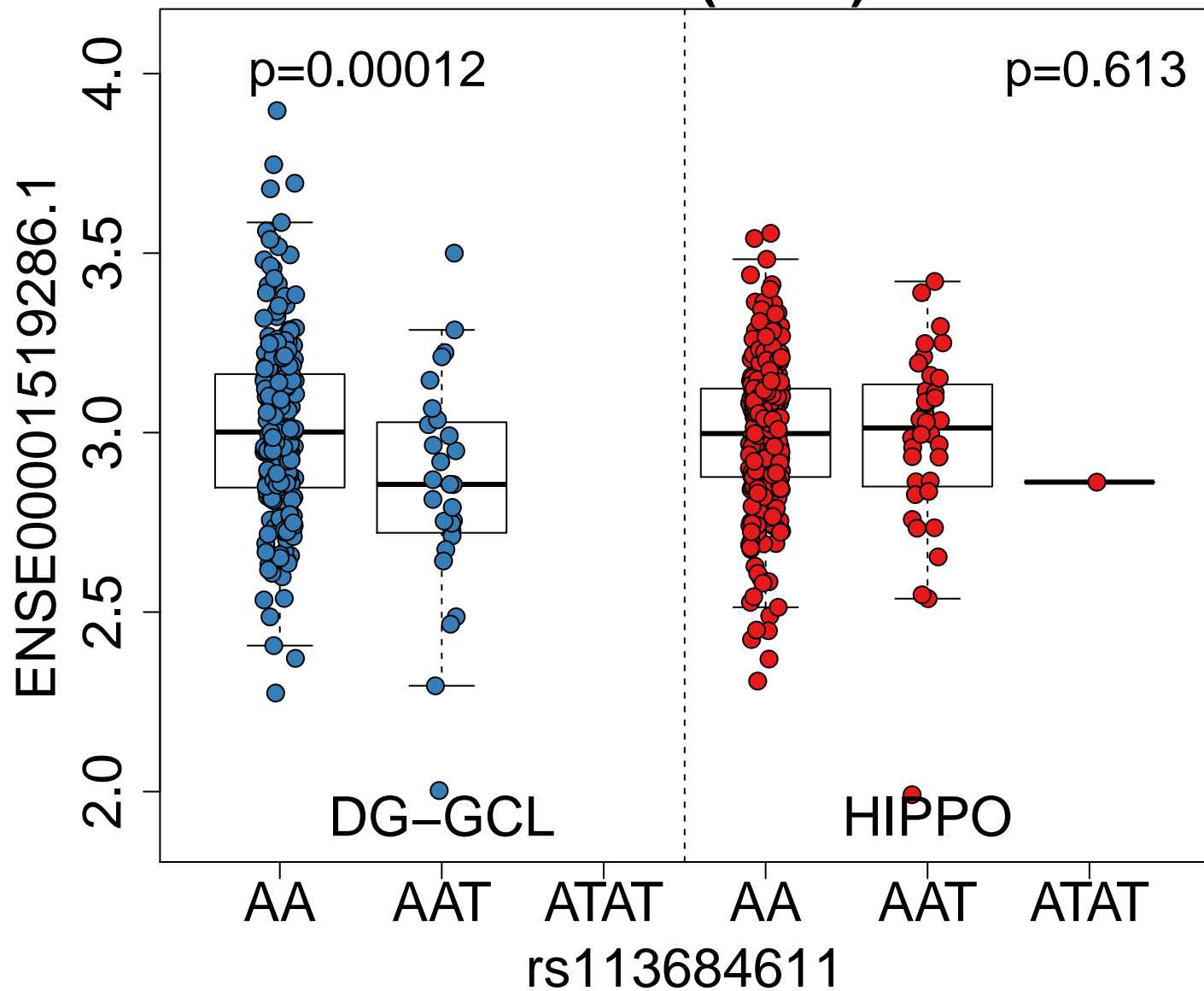
MMP16 (Gene)



Index: rs147922658 ($R^2=1$)
DMTF1 (Exon)

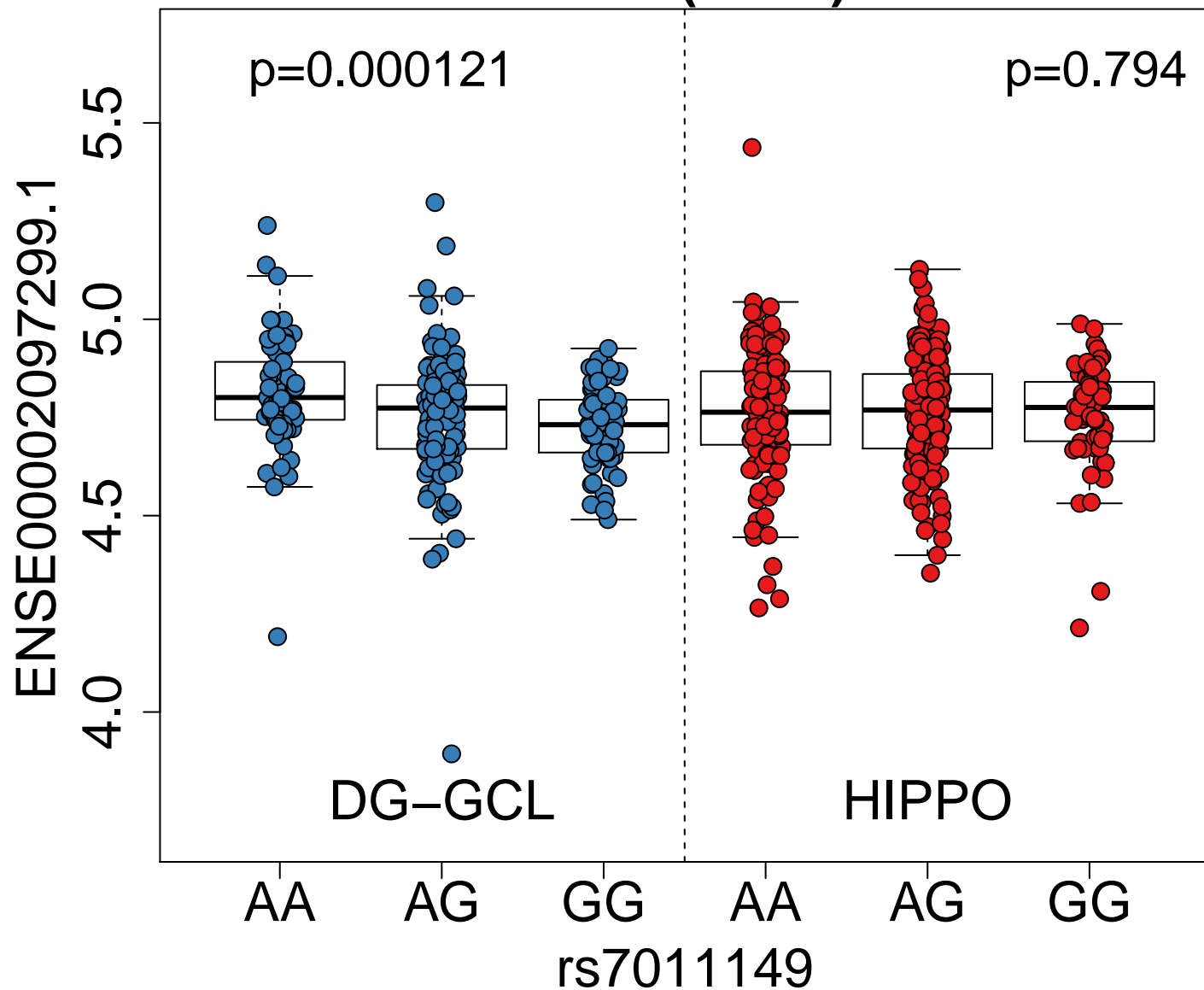


Index: rs147922658 ($R^2=1$)
DMTF1 (Exon)



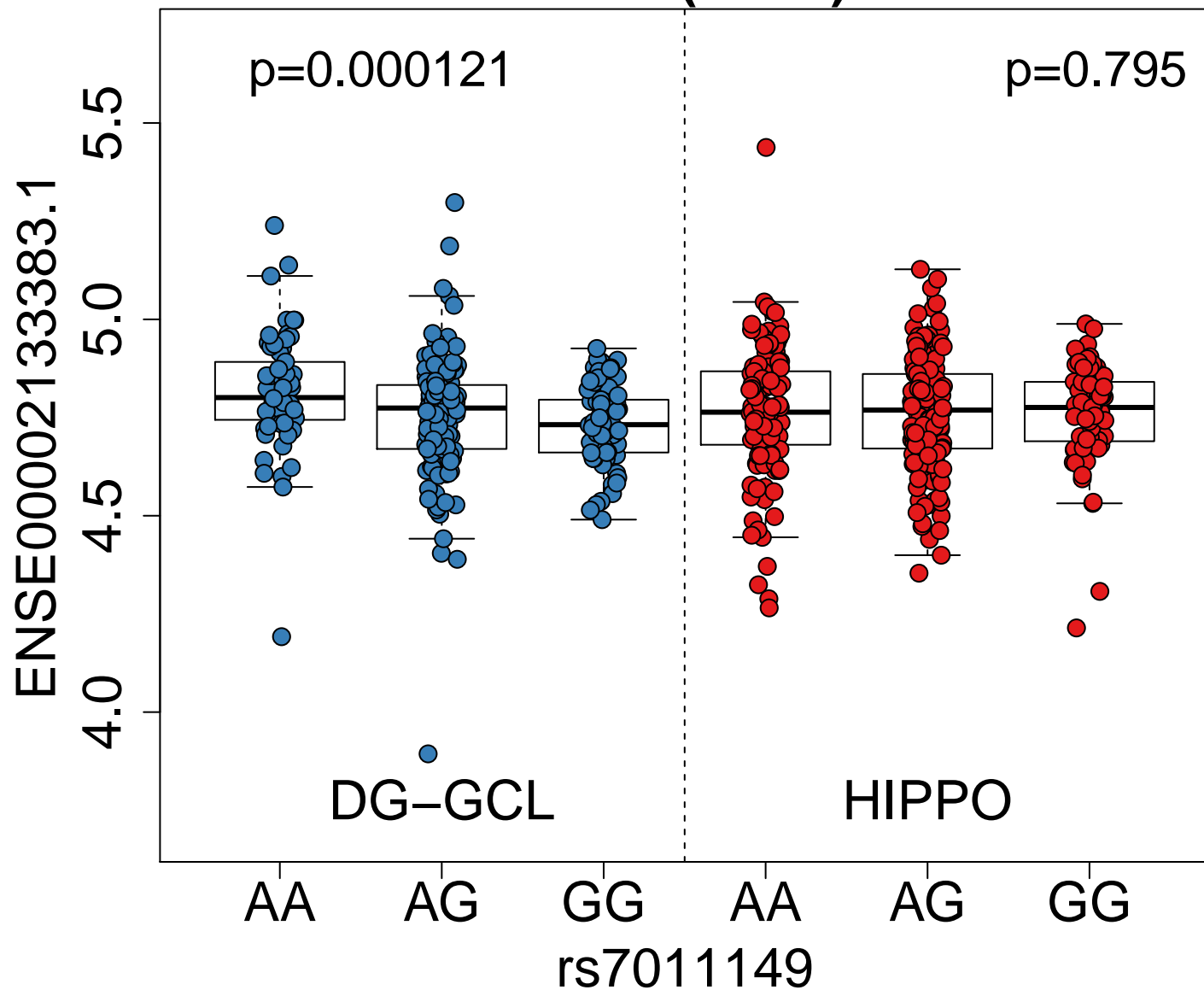
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



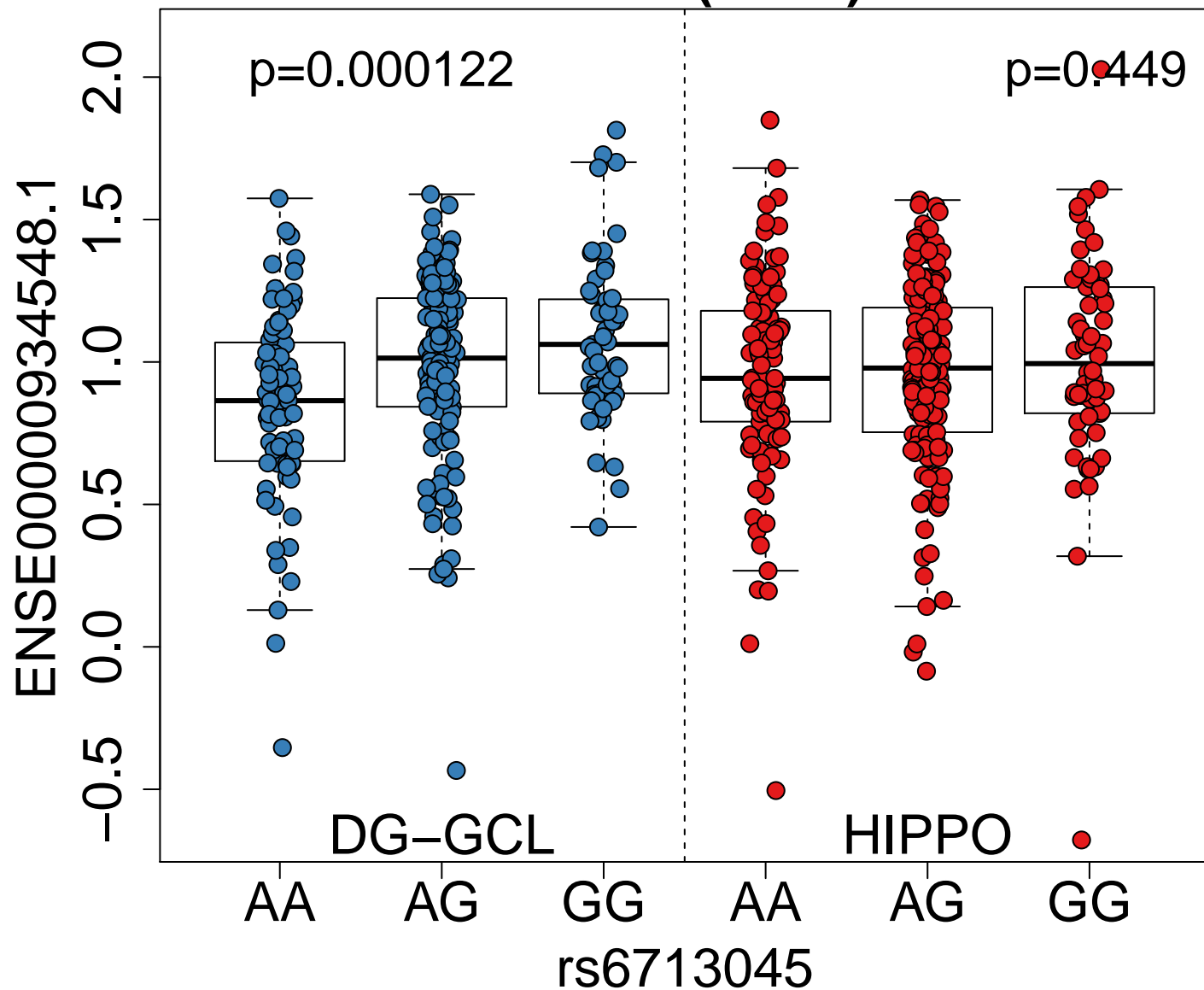
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



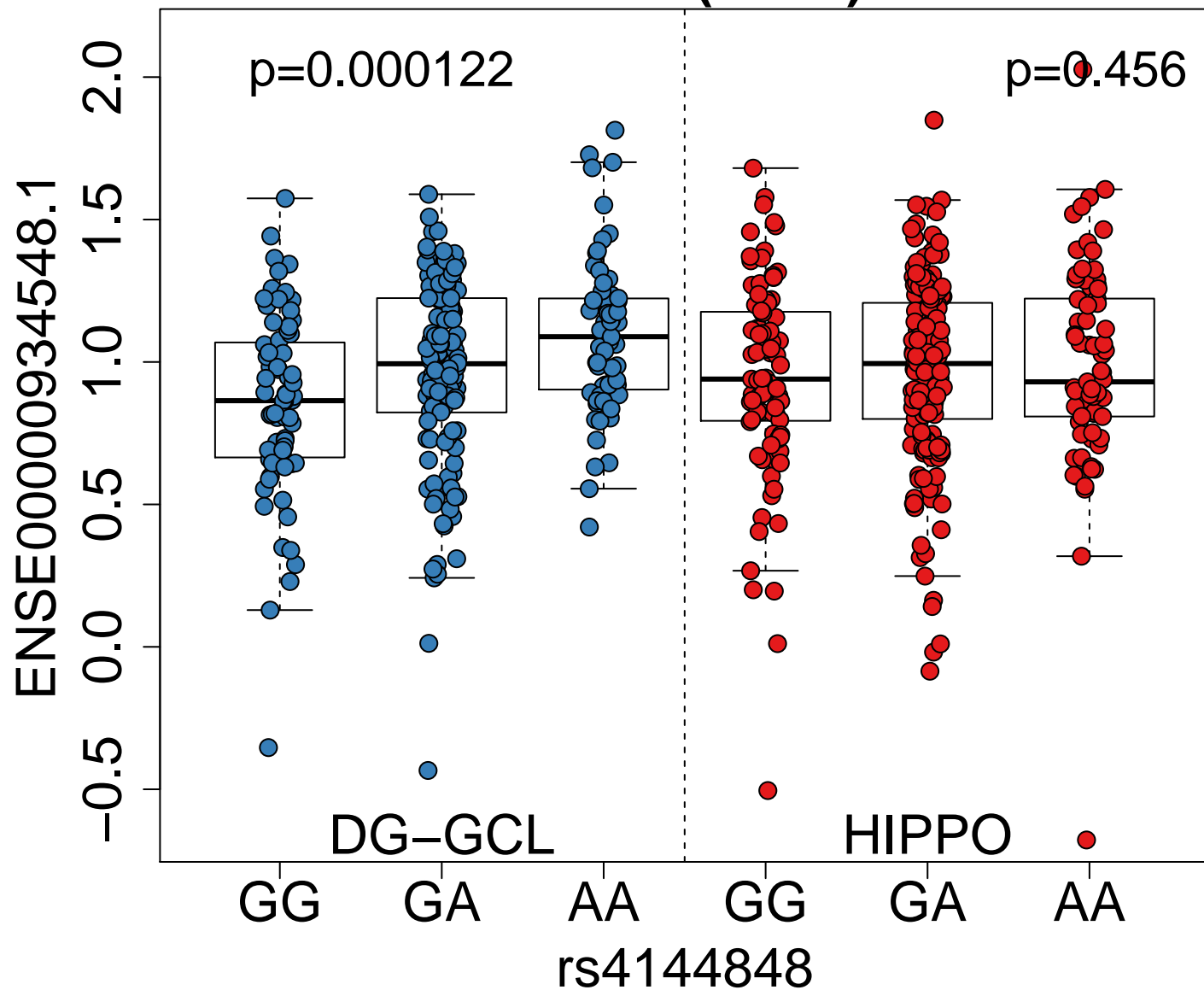
Index: rs1451488 ($R^2=0.835$)

SATB2 (Exon)



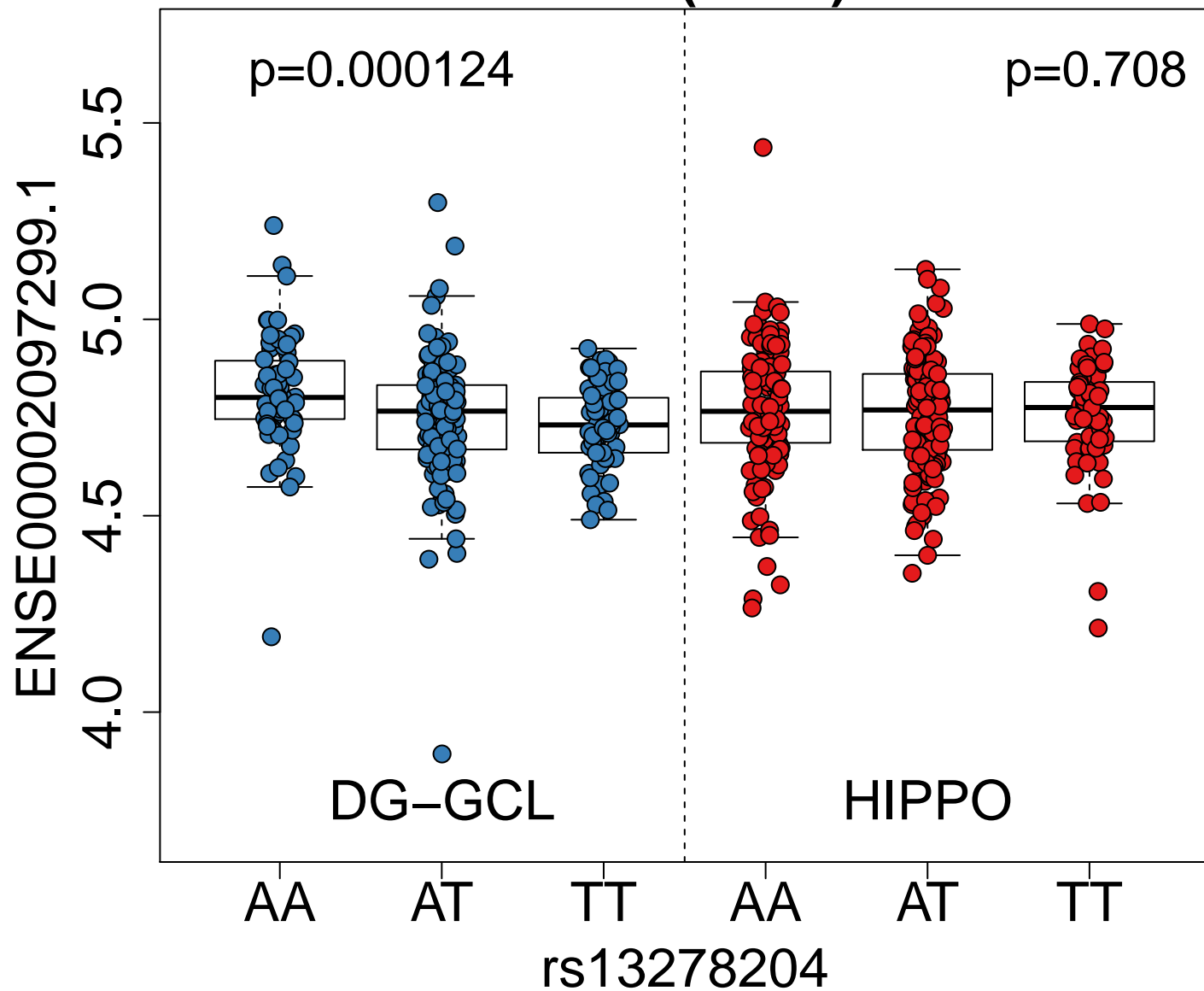
Index: rs1451488 ($R^2=0.876$)

SATB2 (Exon)



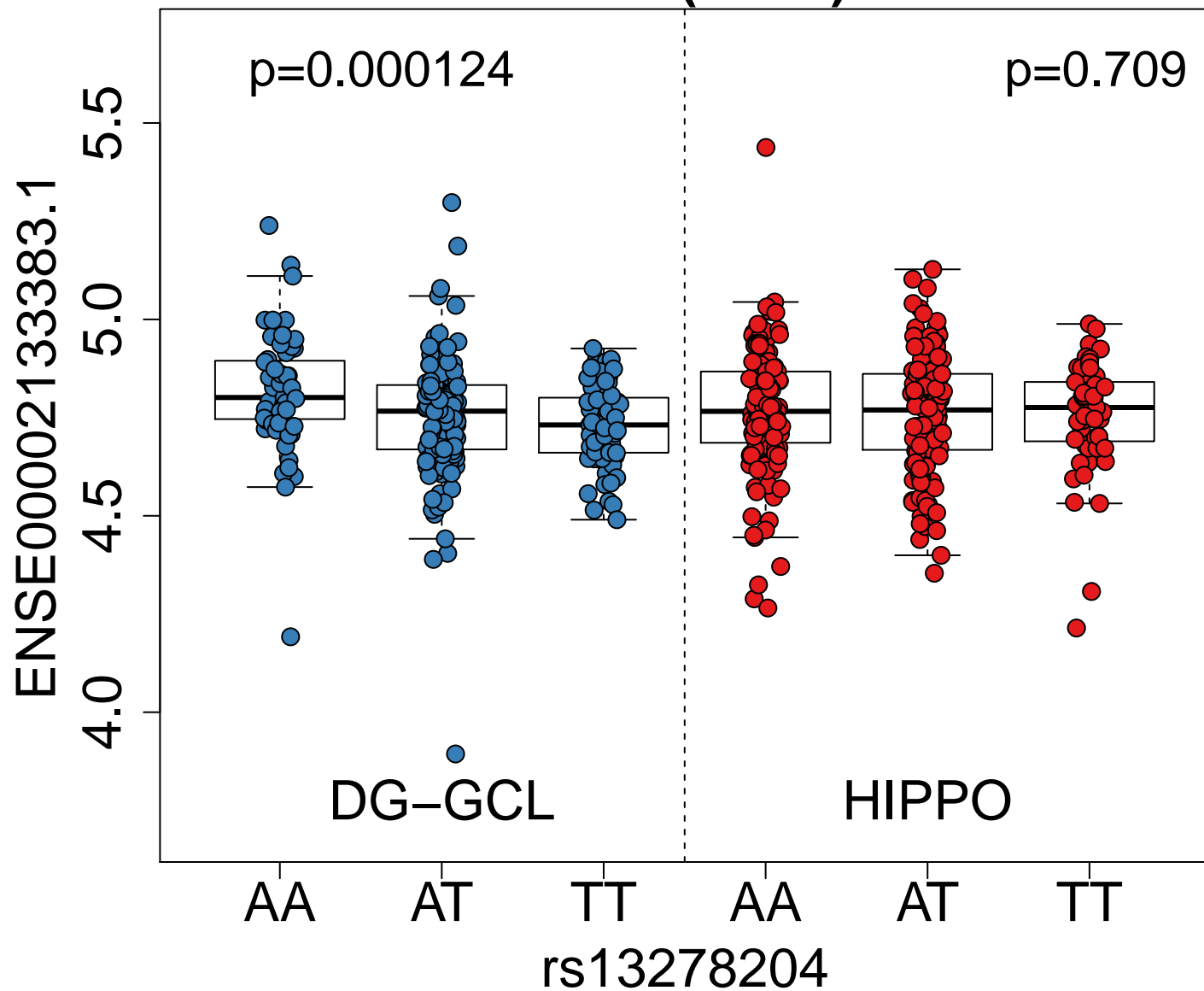
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



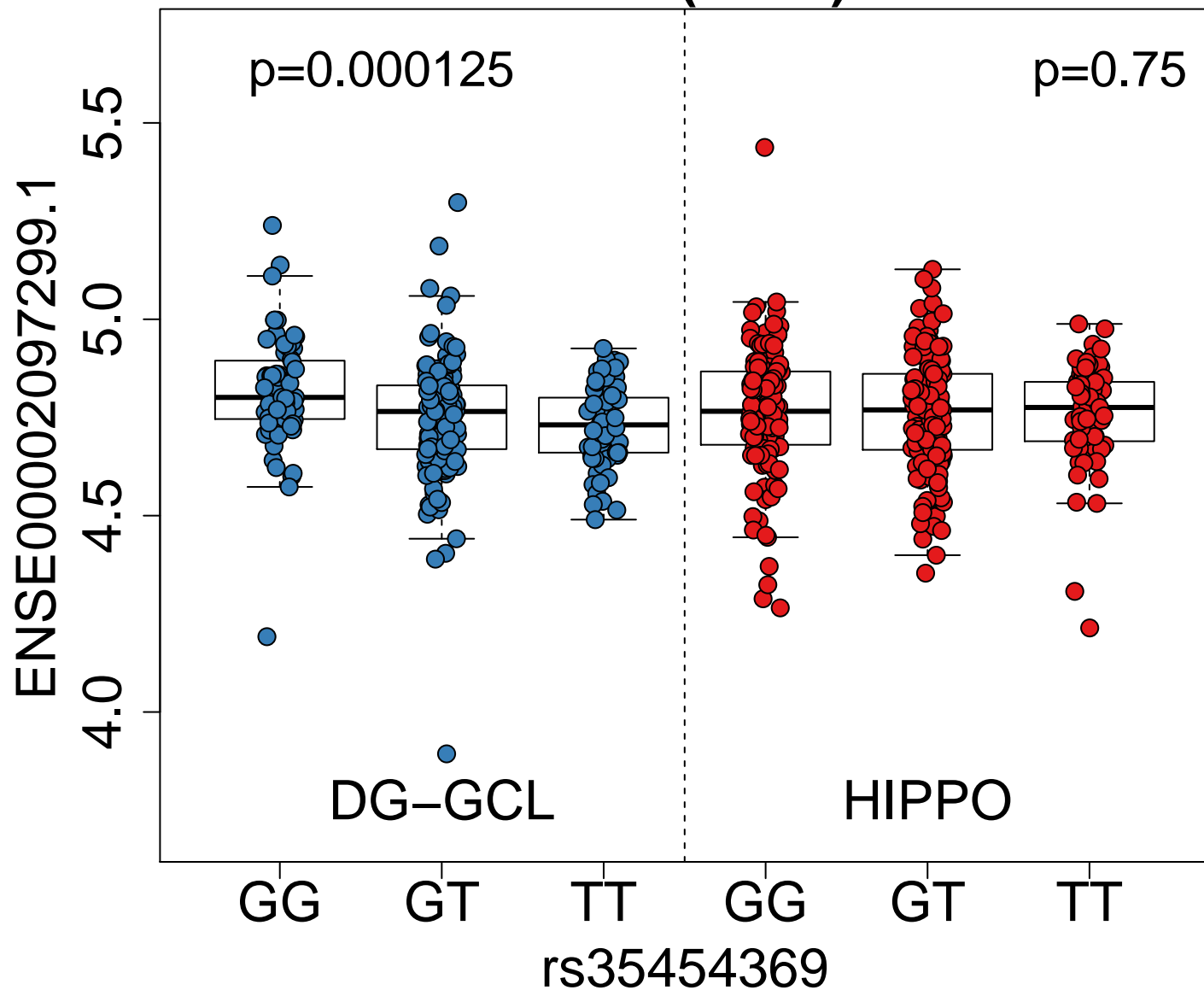
Index: rs2410572 ($R^2=0.857$)

PSD3 (Exon)



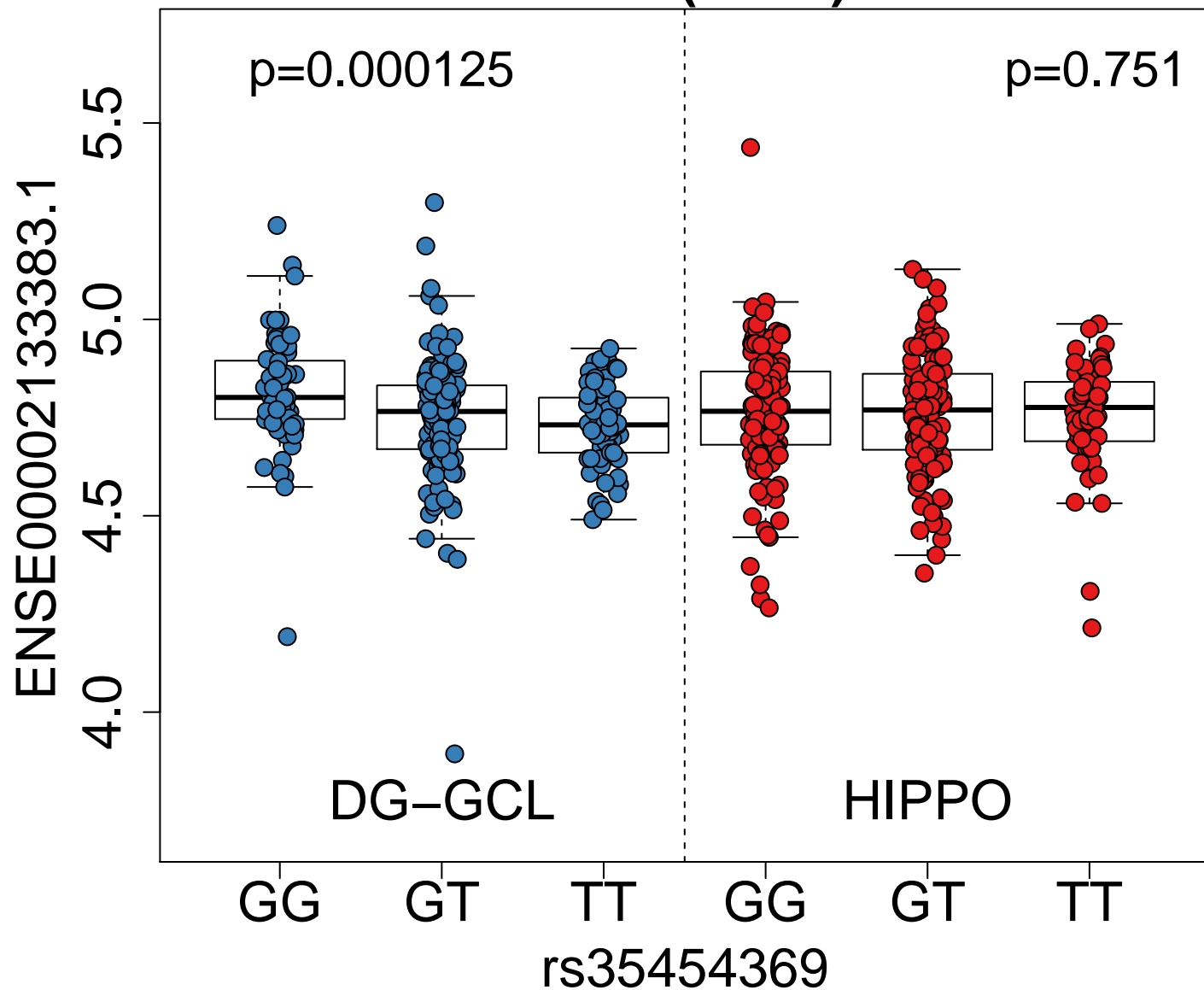
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)

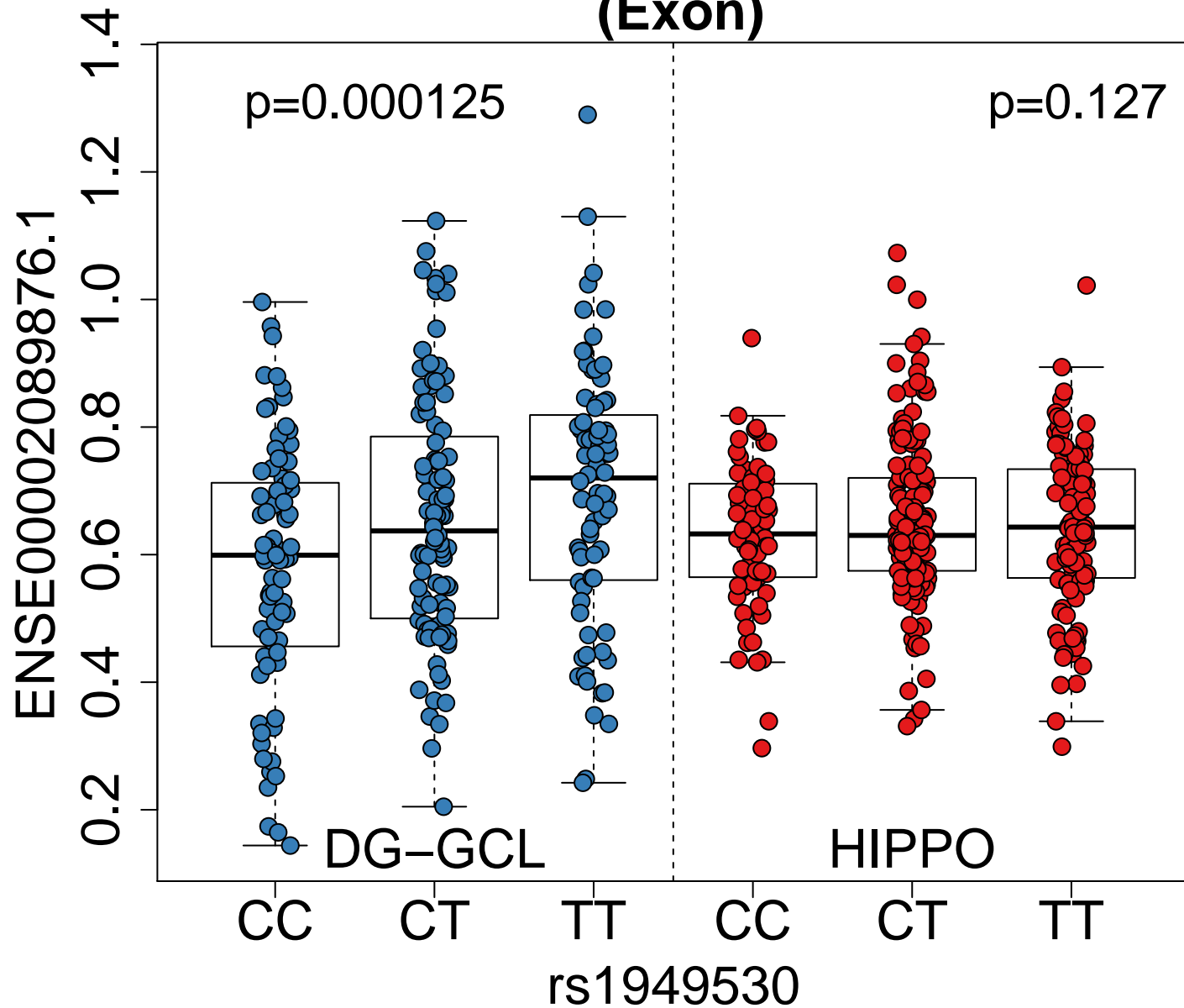


Index: rs2410572 ($R^2=0.865$)

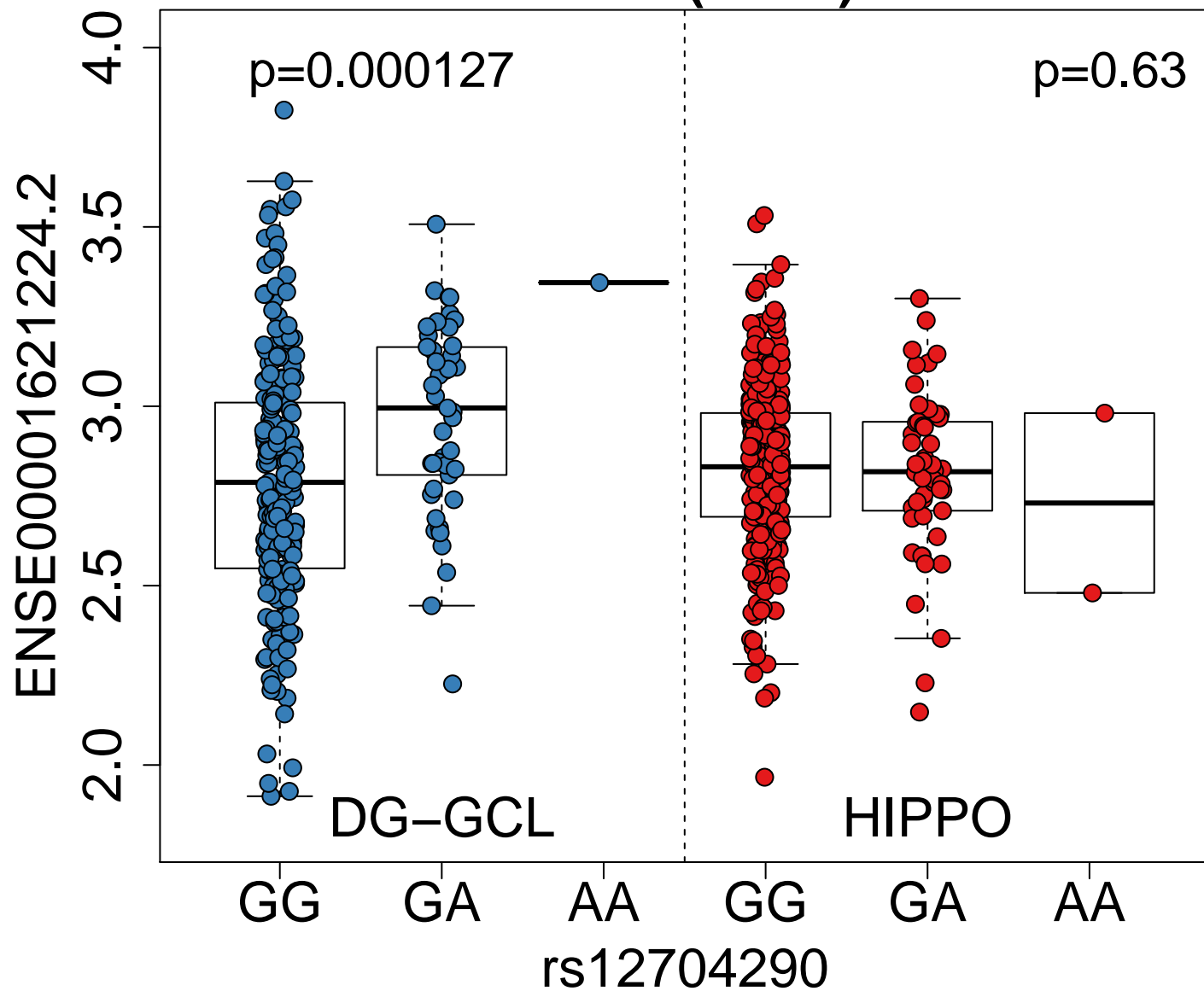
PSD3 (Exon)



Index: rs7010876 ($R^2=0.829$)
(Exon)

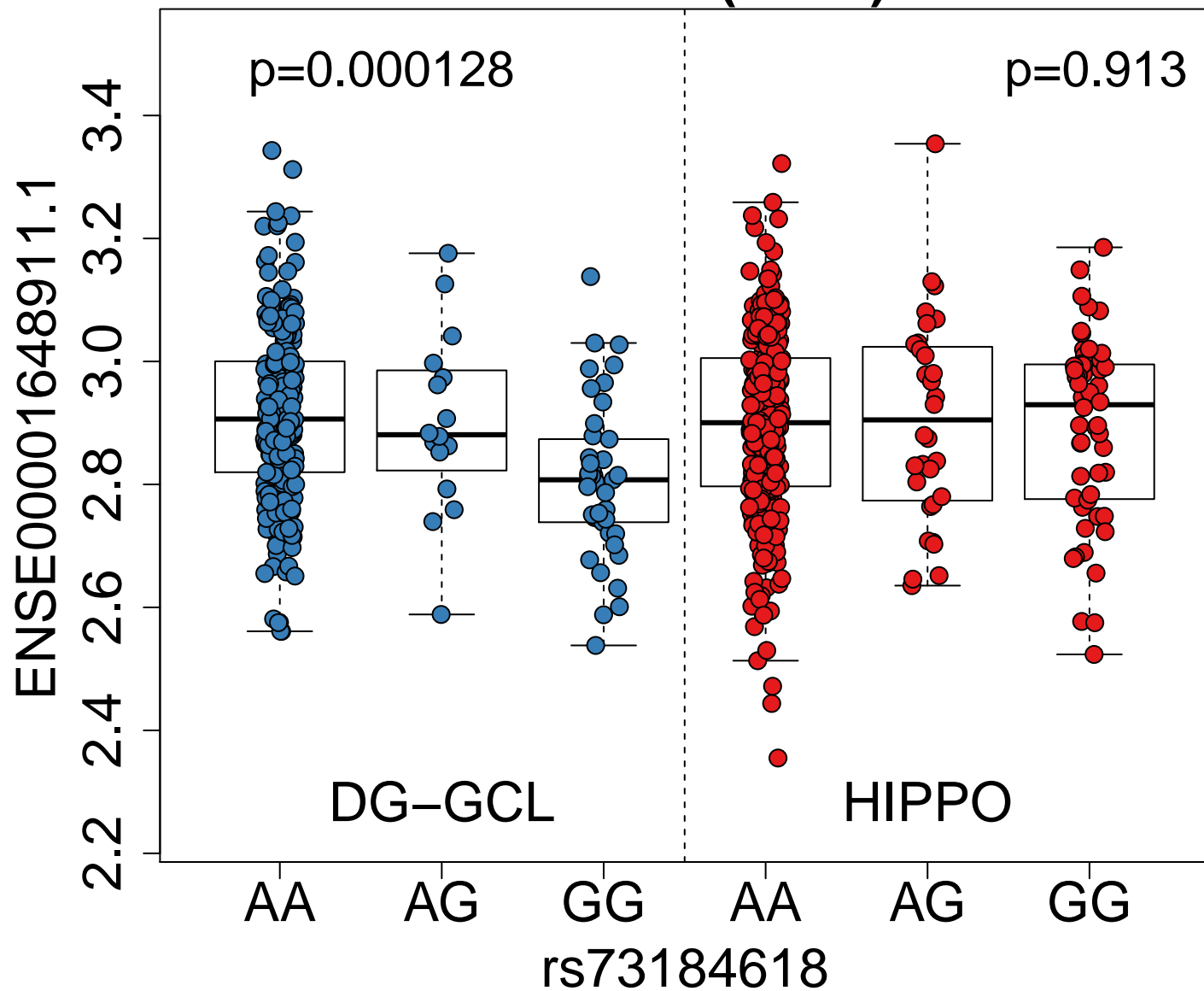


Index: rs12704290 ($R^2=1$)
GRM3 (Exon)



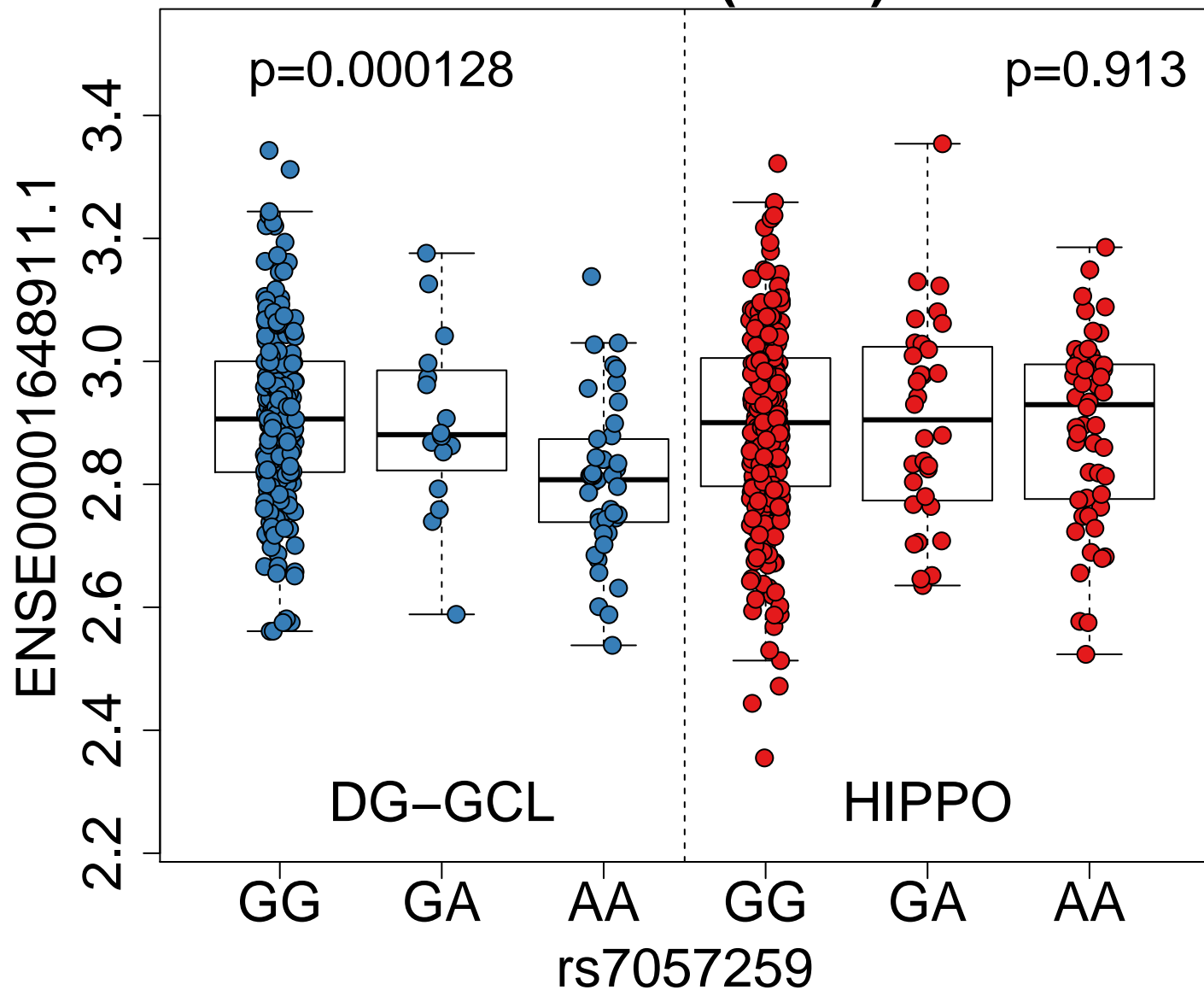
Index: rs12009217 ($R^2=0.958$)

NLGN4X (Exon)



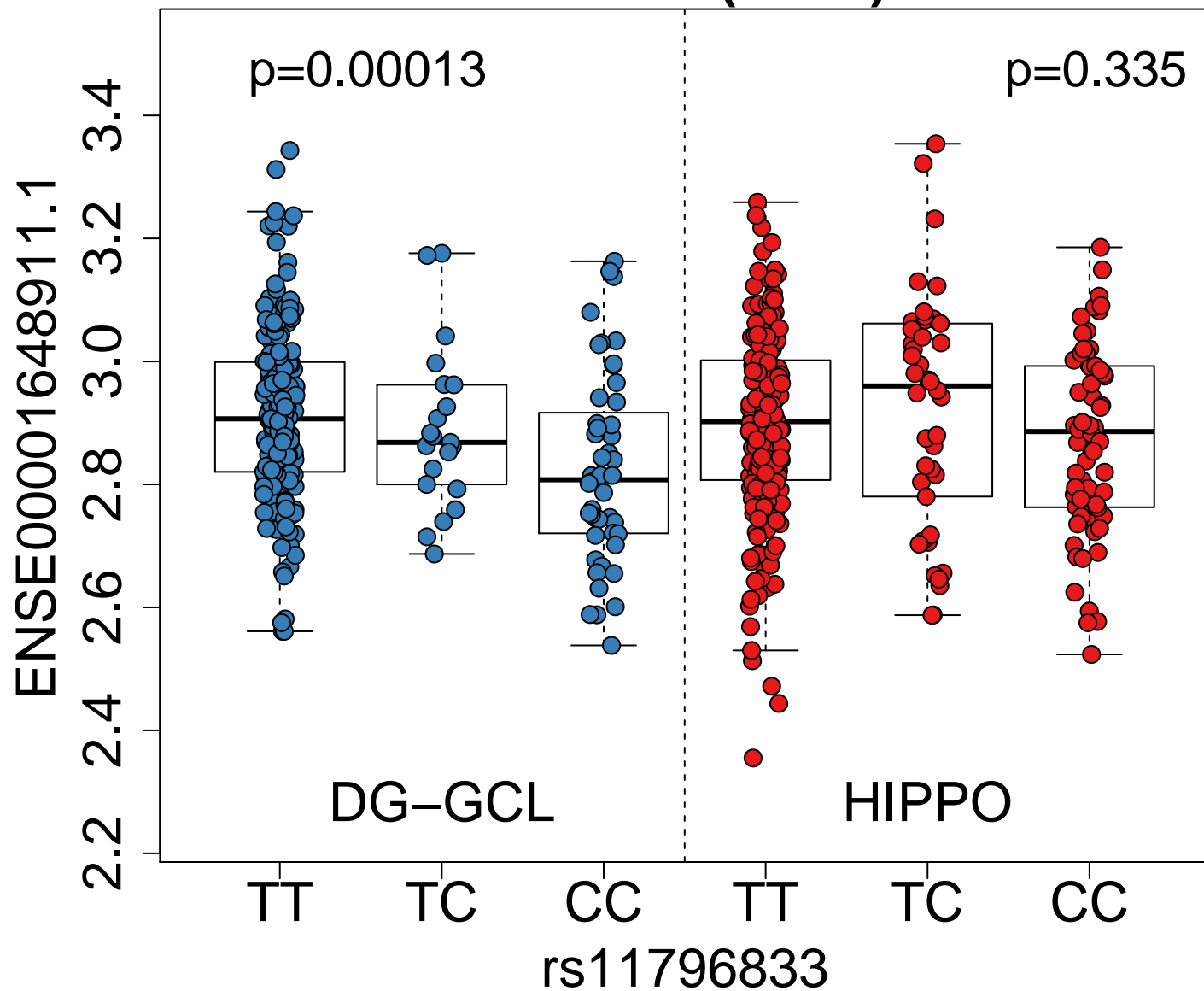
Index: rs12009217 ($R^2=0.941$)

NLGN4X (Exon)



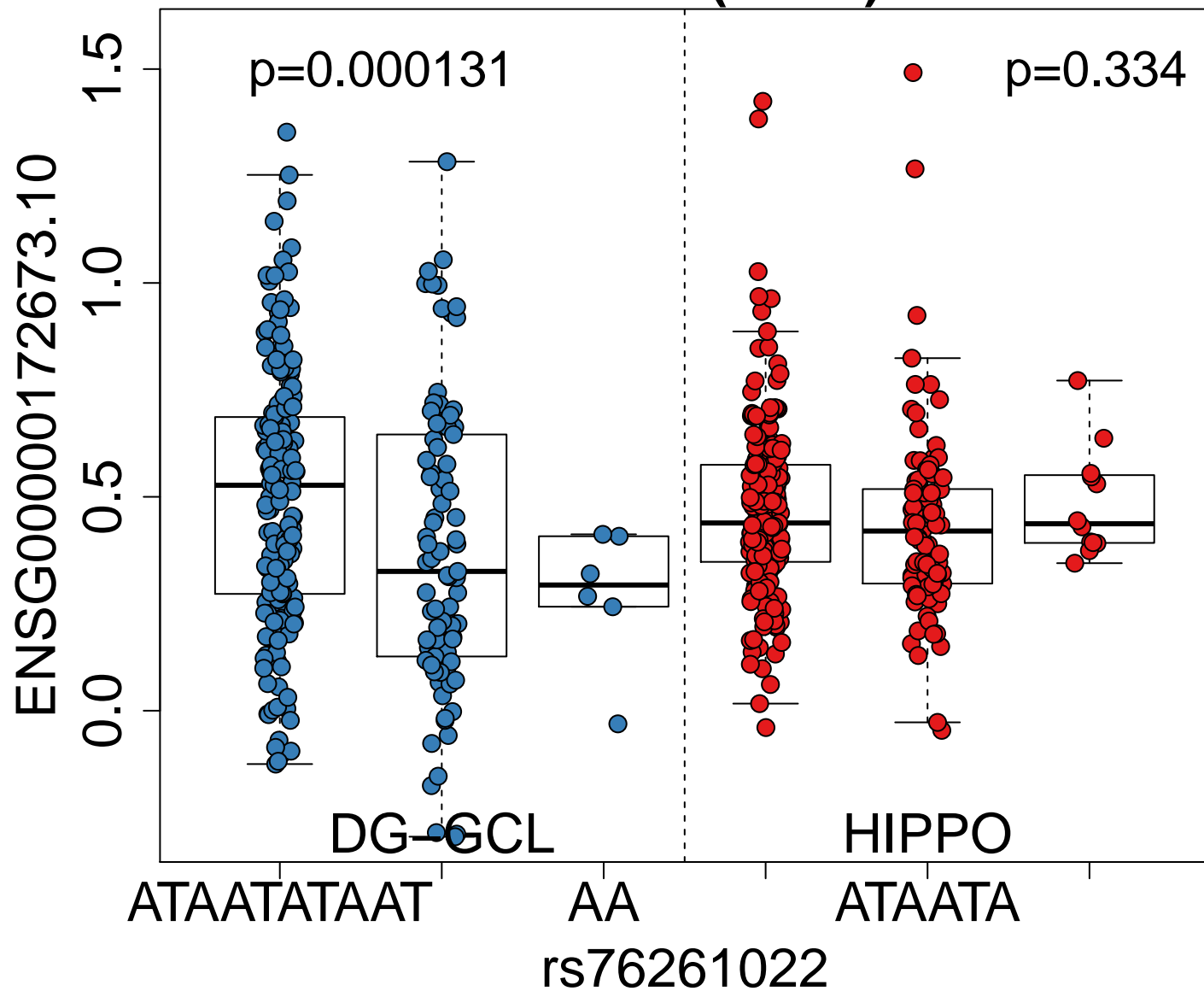
Index: rs12009217 ($R^2=1$)

NLGN4X (Exon)



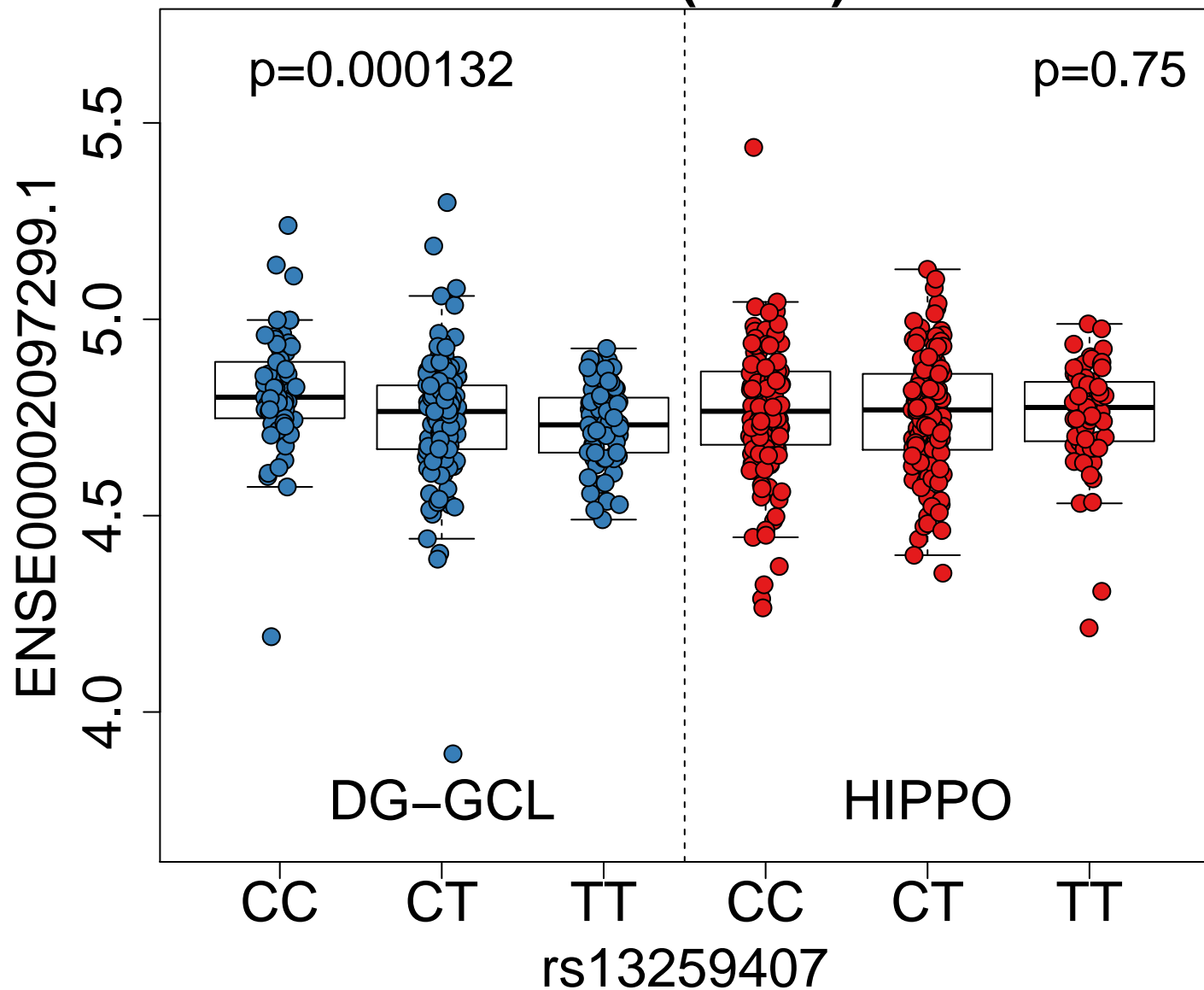
Index: rs35736453 ($R^2=1$)

THEMIS (Gene)



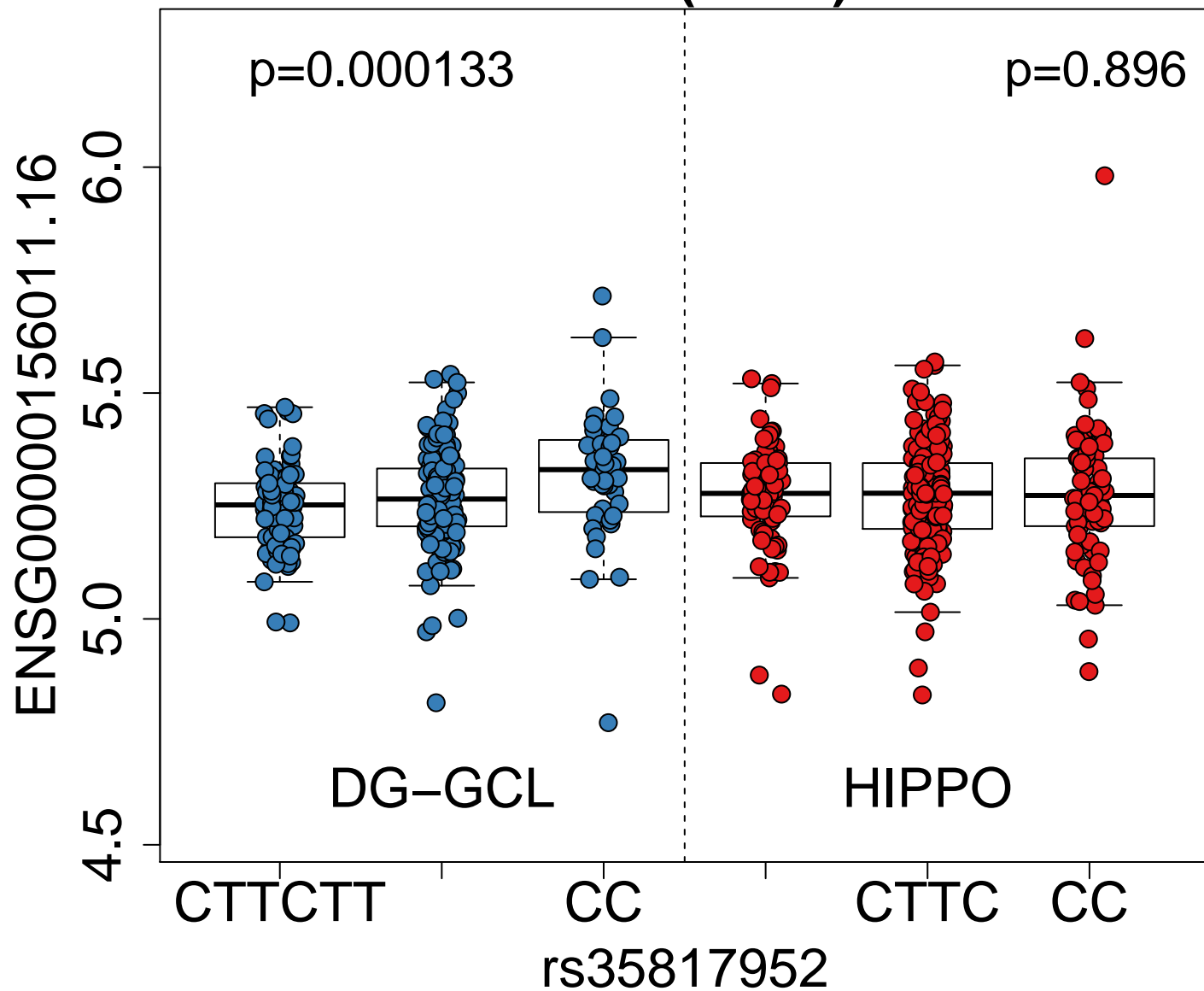
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



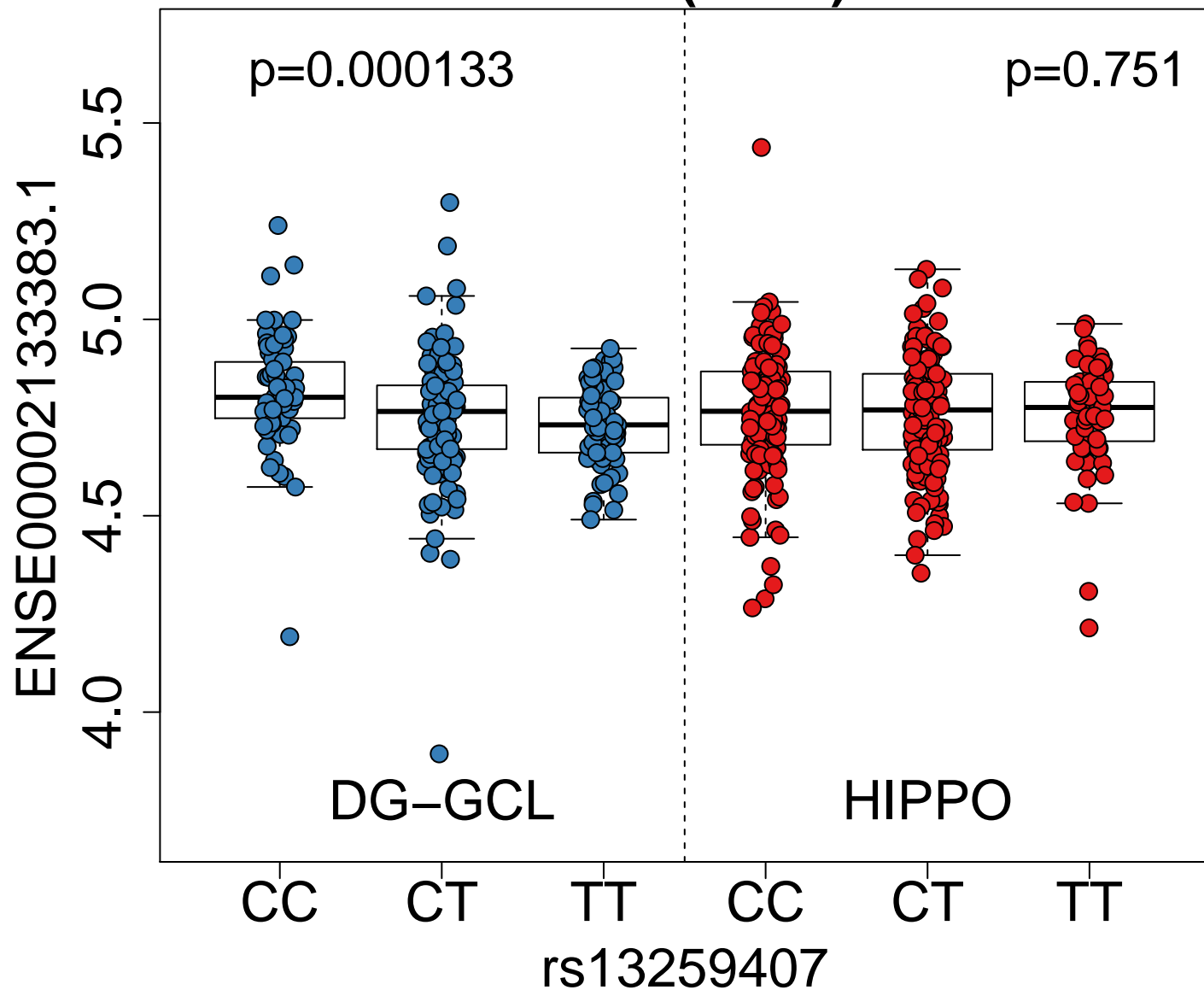
Index: rs2410572 ($R^2=0.832$)

PSD3 (Gene)



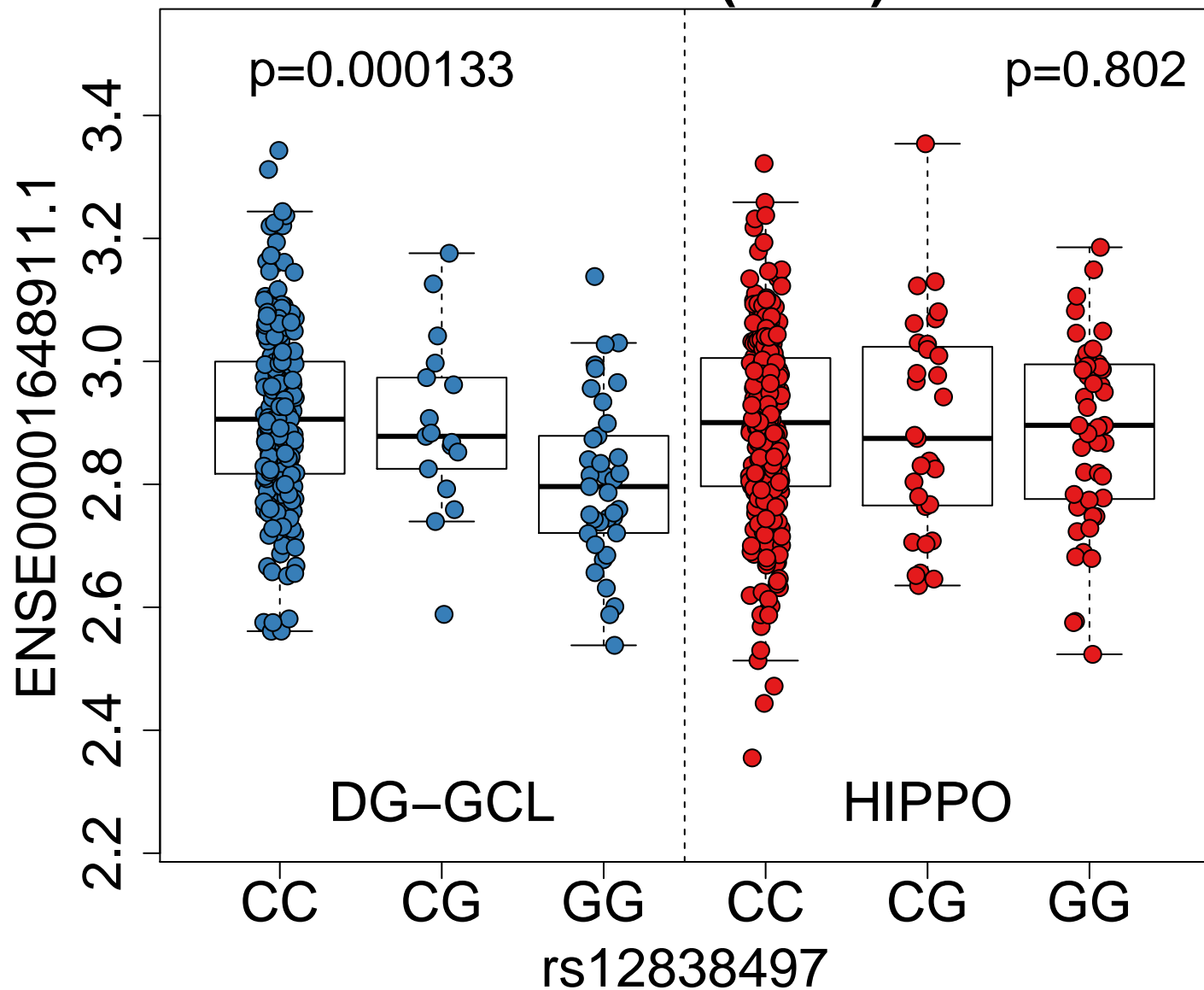
Index: rs2410572 ($R^2=0.865$)

PSD3 (Exon)



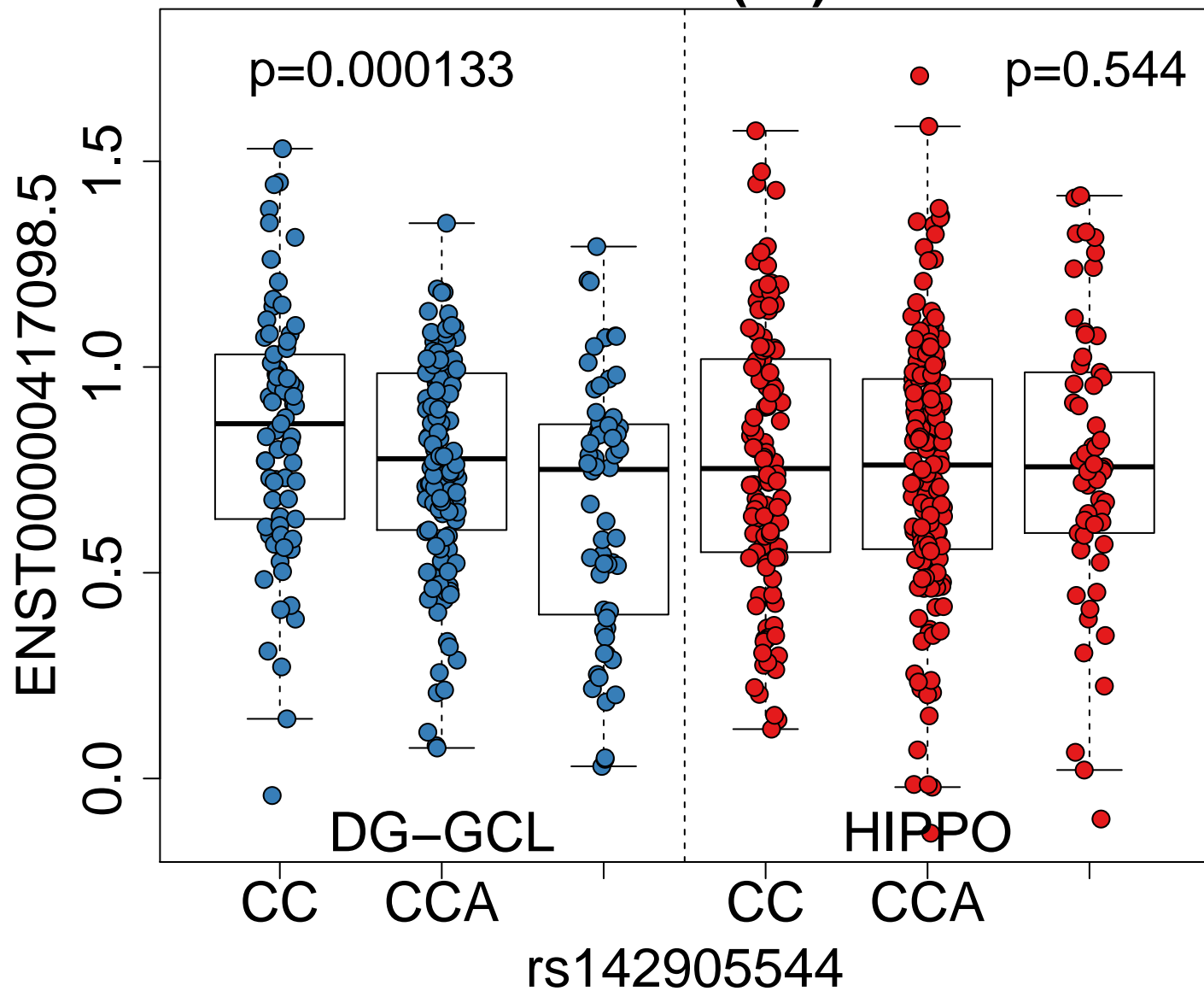
Index: rs12009217 ($R^2=0.949$)

NLGN4X (Exon)



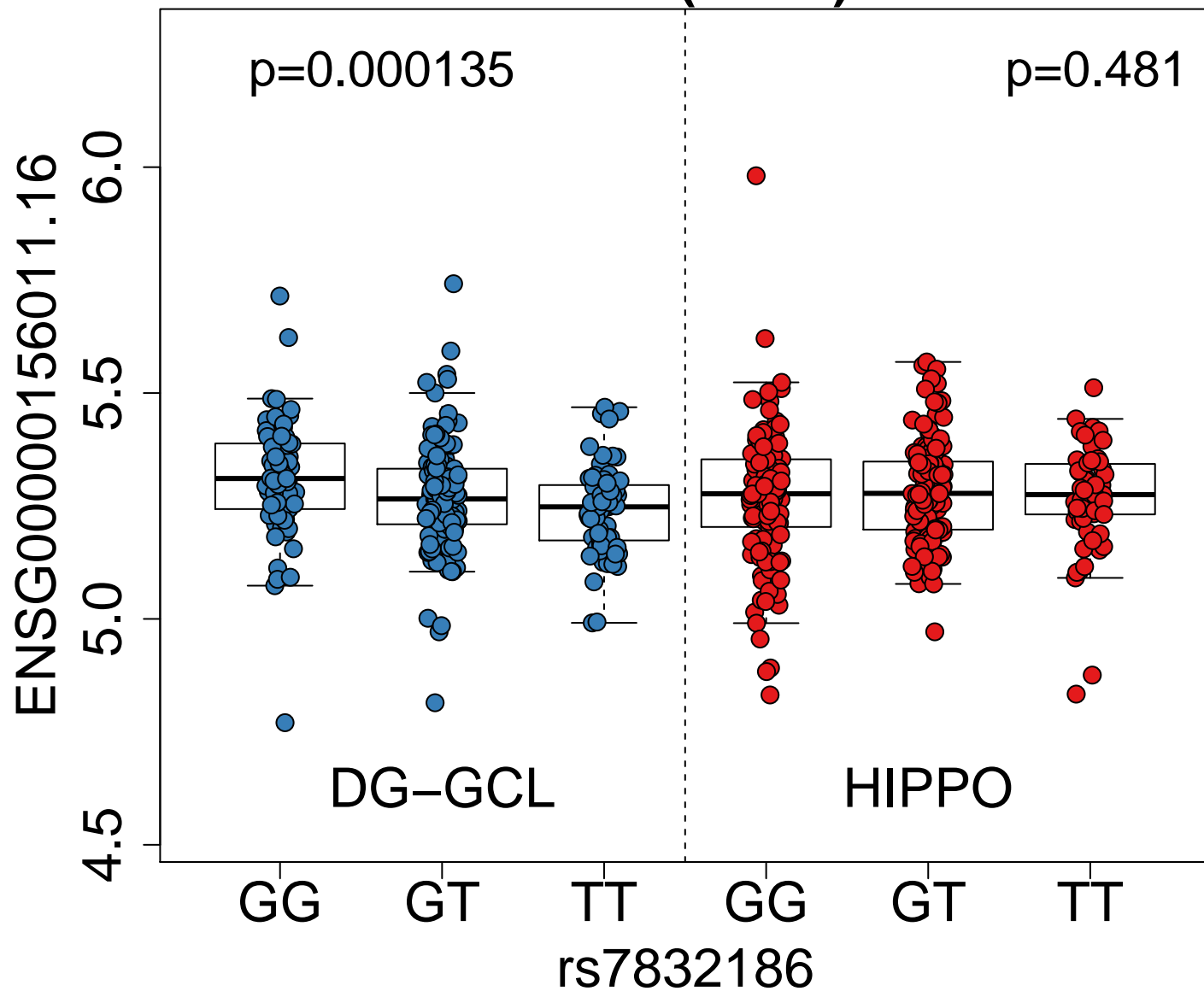
Index: rs1451488 ($R^2=0.814$)

SATB2 (Tx)



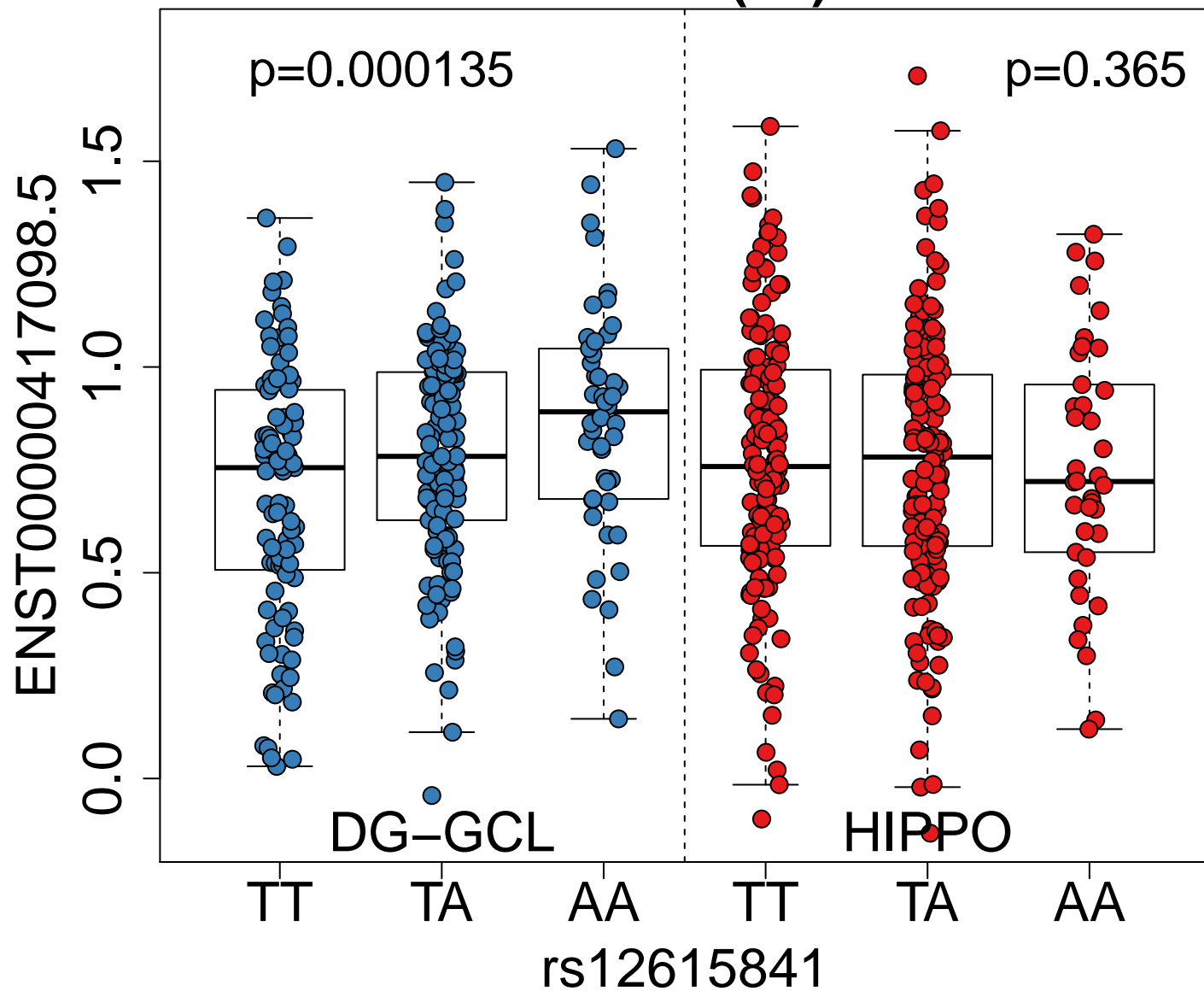
Index: rs2410572 ($R^2=0.865$)

PSD3 (Gene)



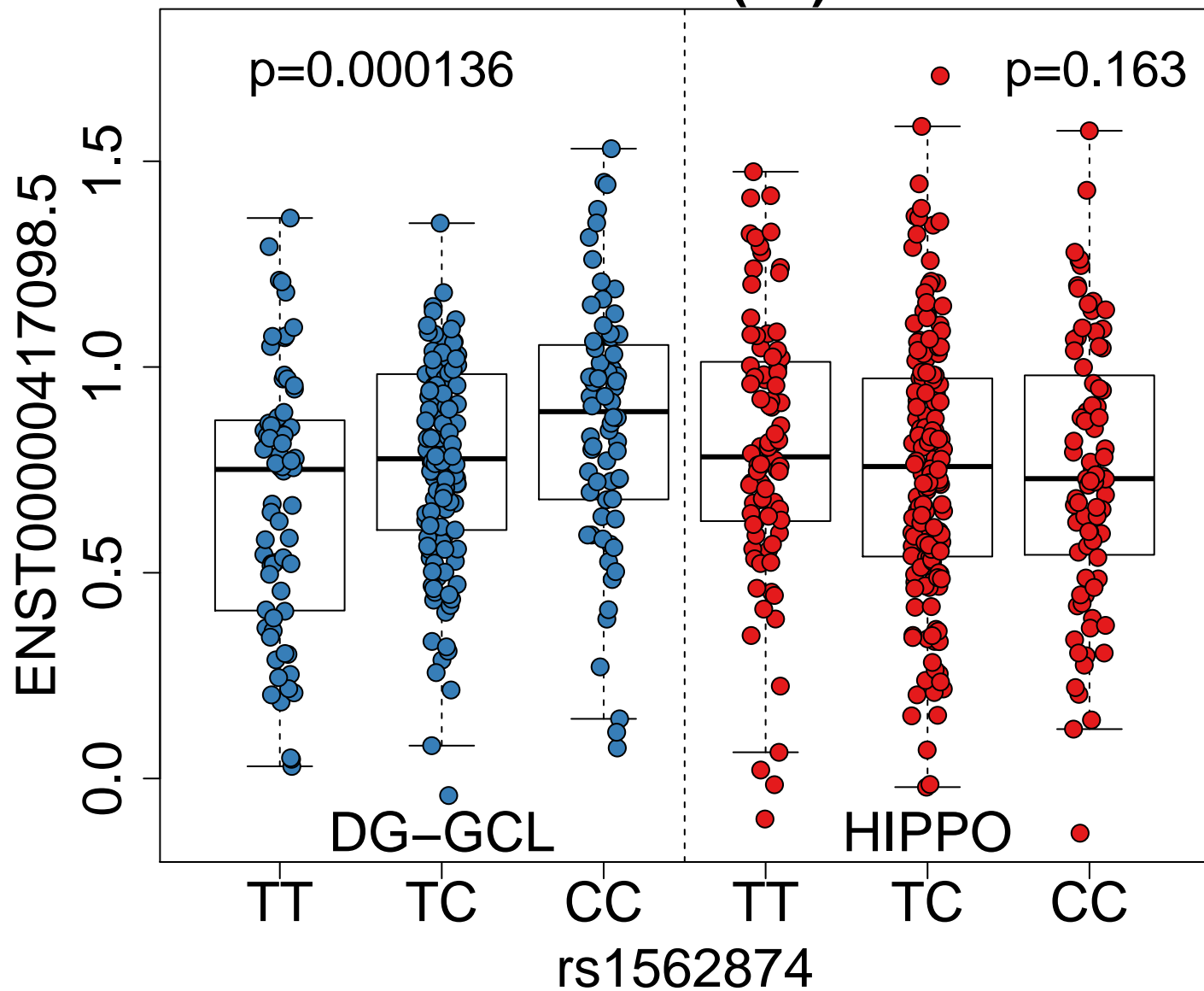
Index: rs1451488 ($R^2=0.907$)

SATB2 (Tx)



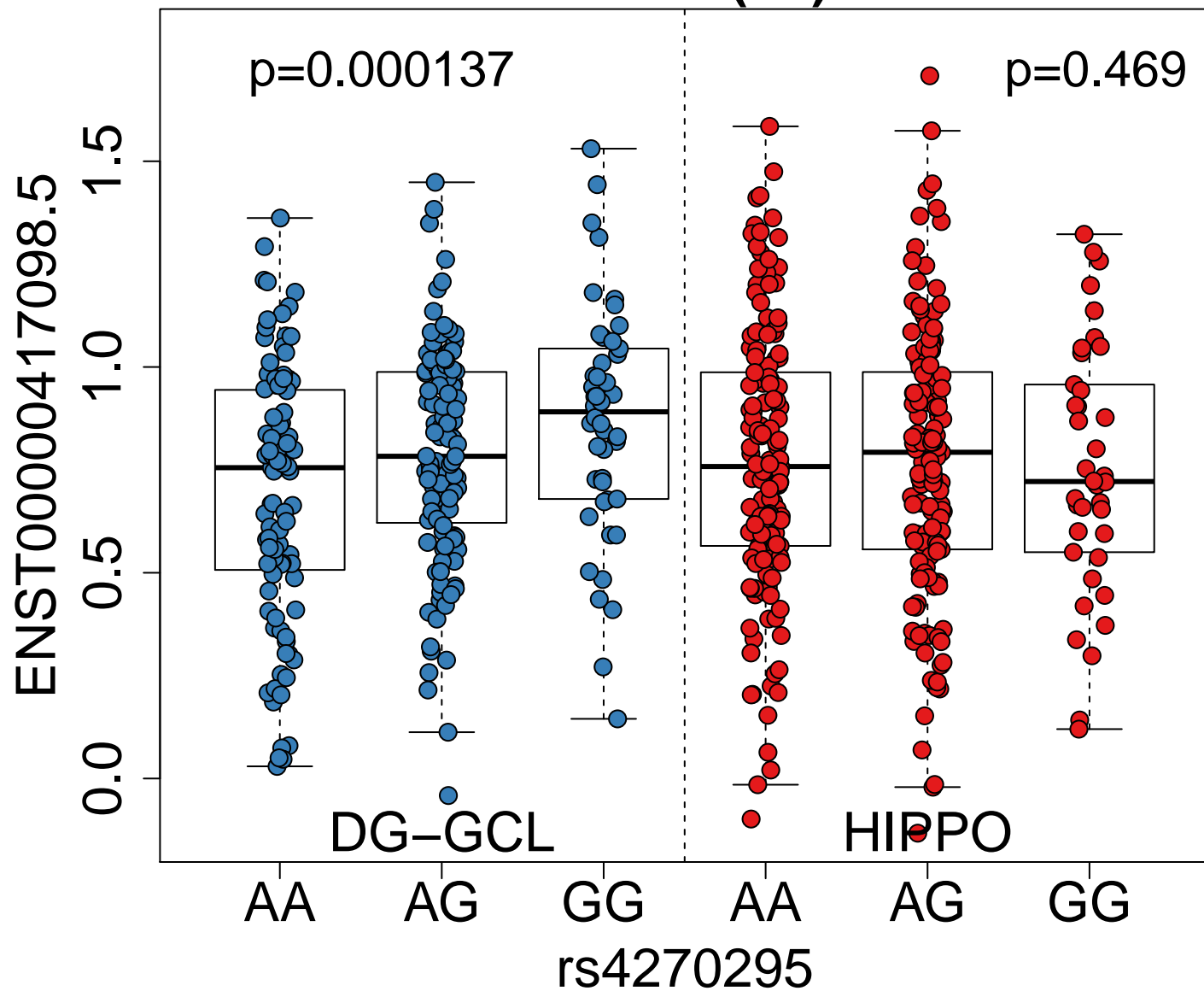
Index: rs1451488 ($R^2=0.873$)

SATB2 (Tx)



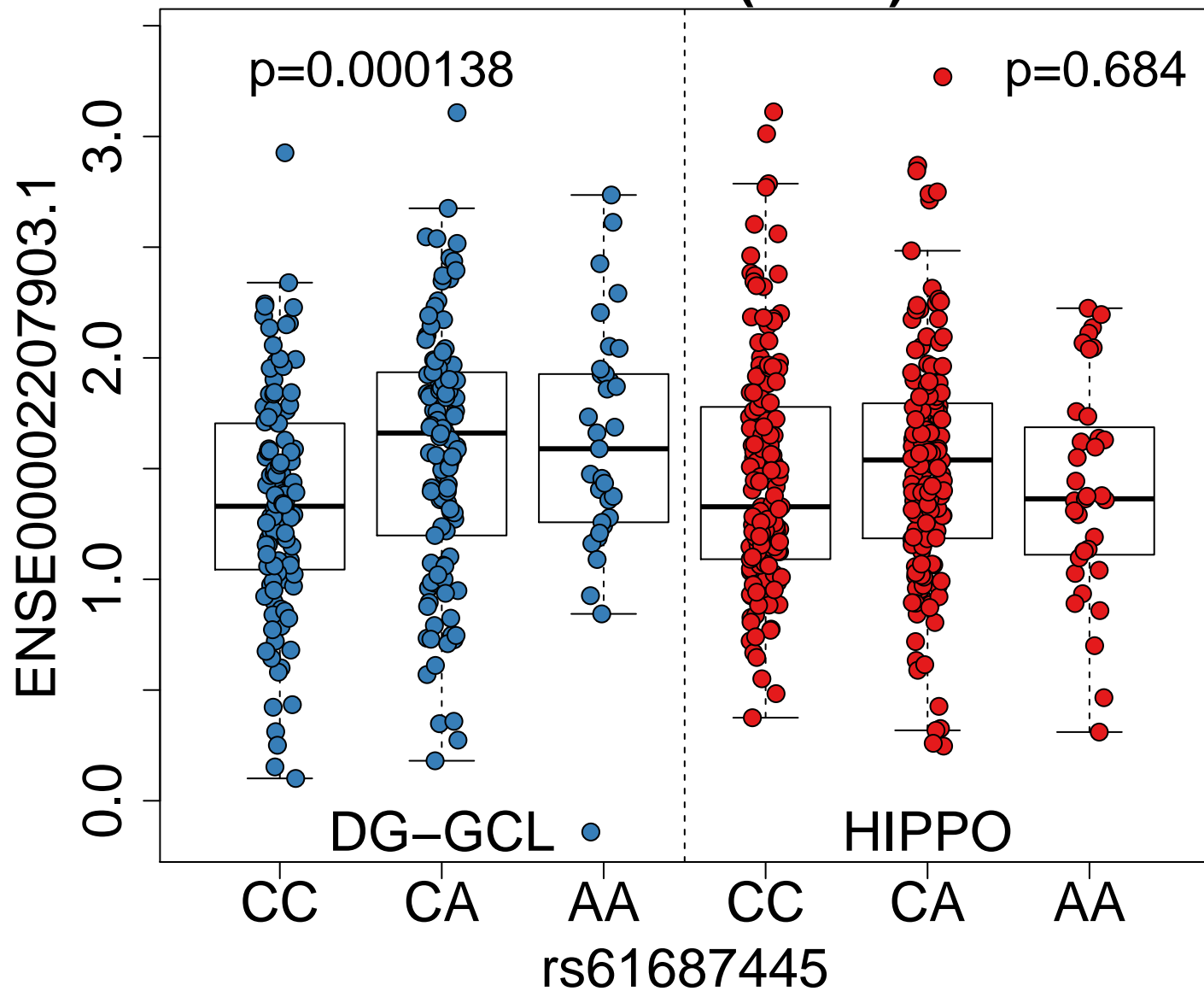
Index: rs1451488 ($R^2=0.907$)

SATB2 (Tx)



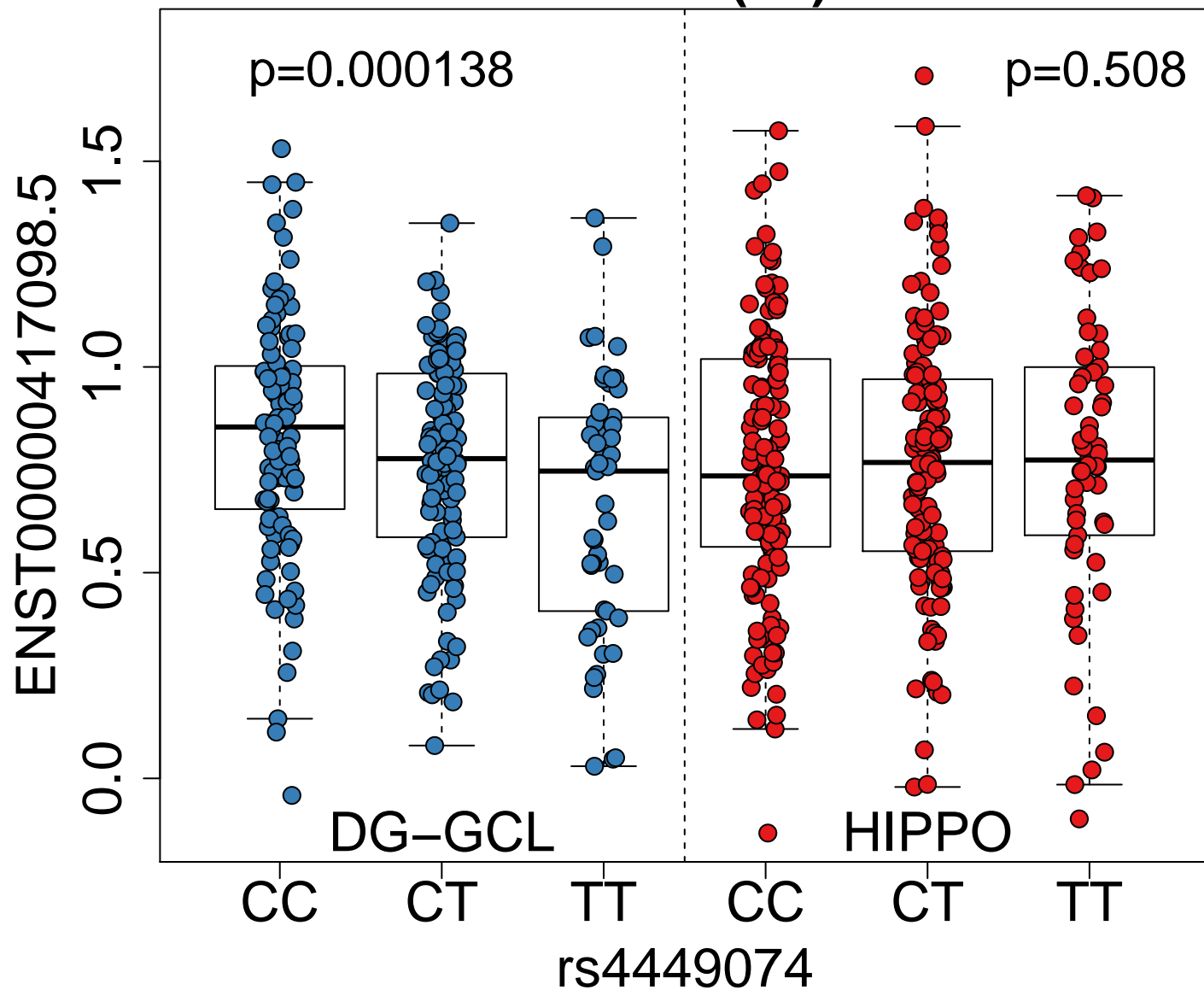
Index: rs4936277 ($R^2=0.932$)

TMPRSS5 (Exon)



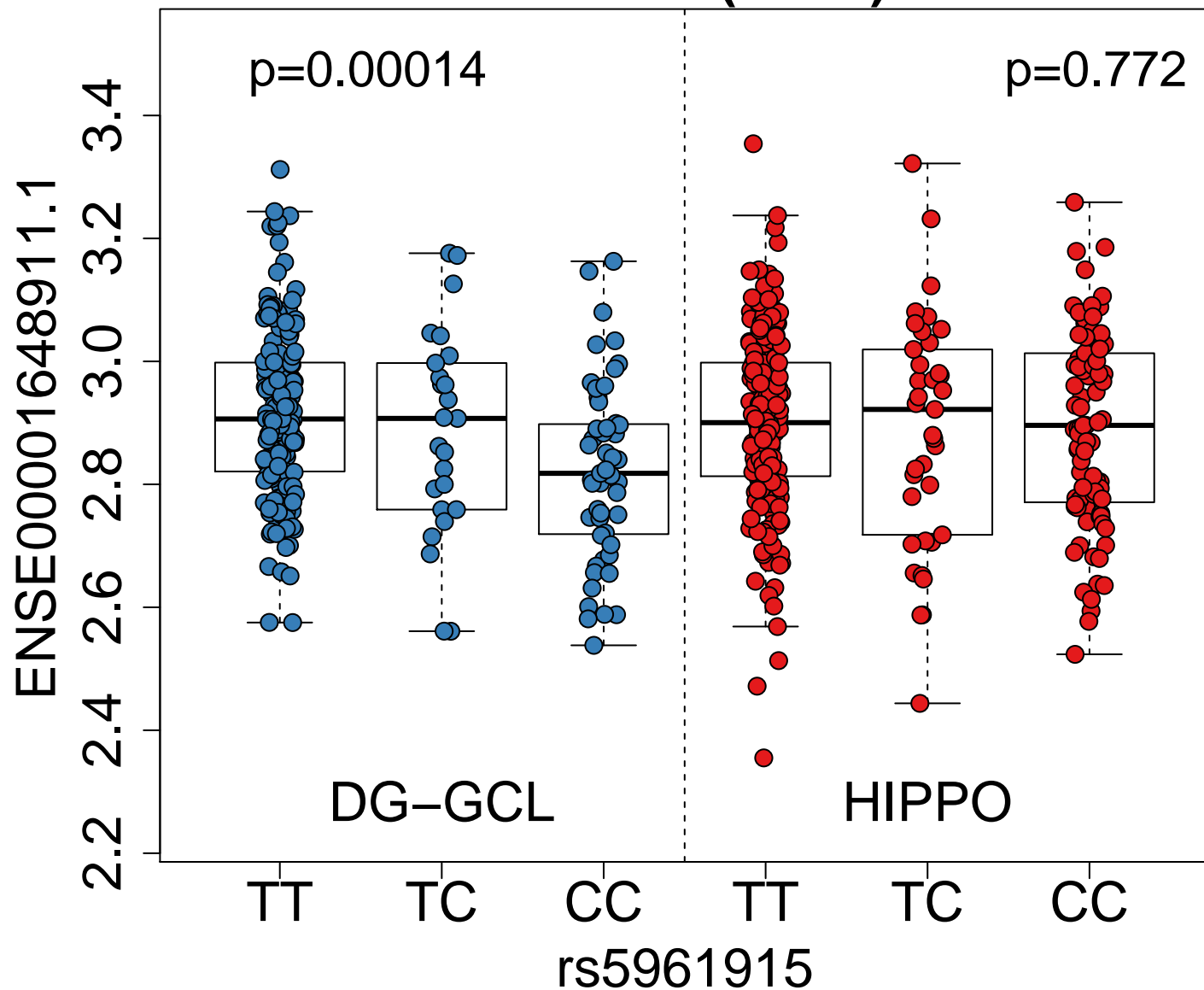
Index: rs1451488 ($R^2=0.81$)

SATB2 (Tx)



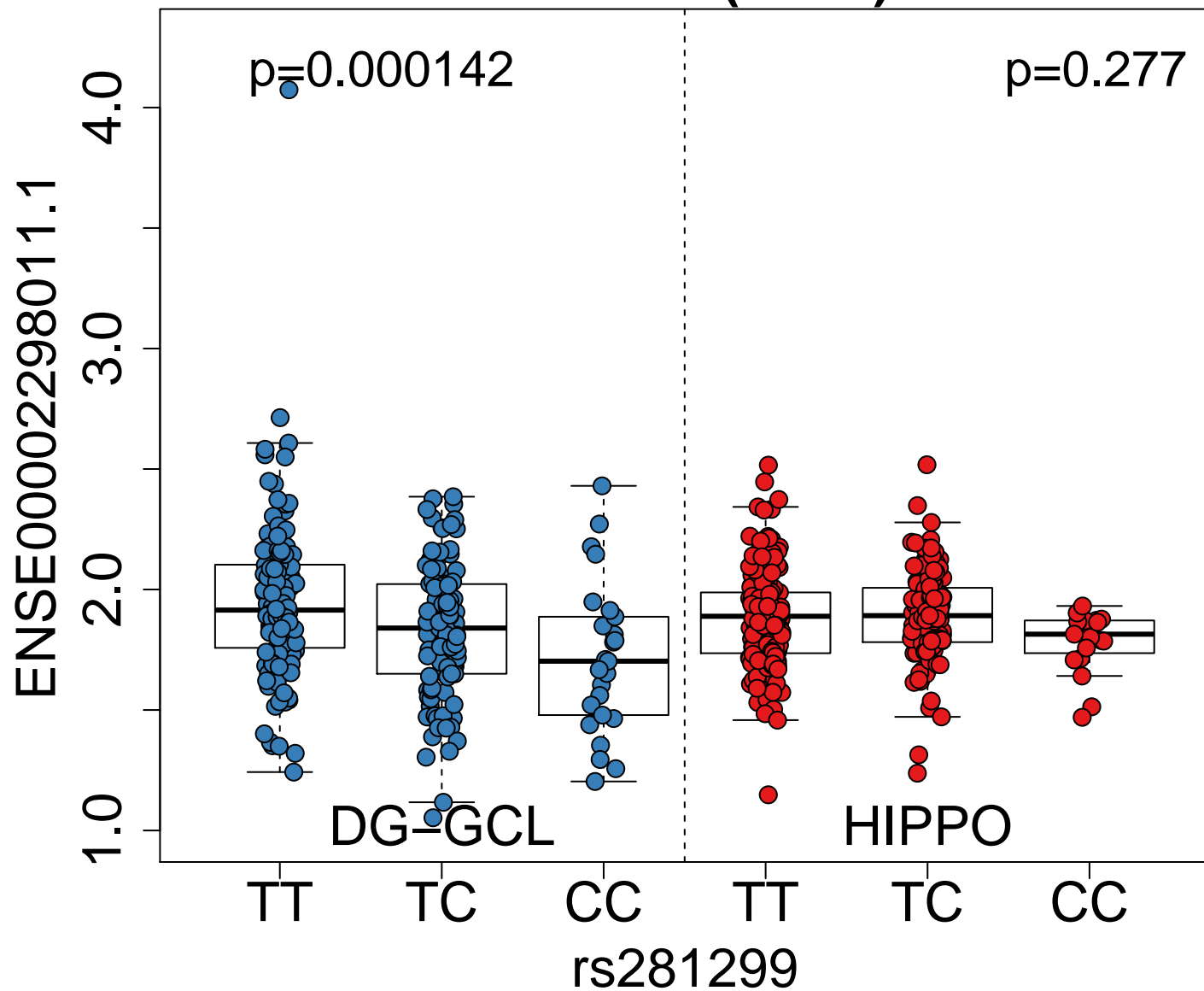
Index: rs12009217 ($R^2=0.824$)

NLGN4X (Exon)



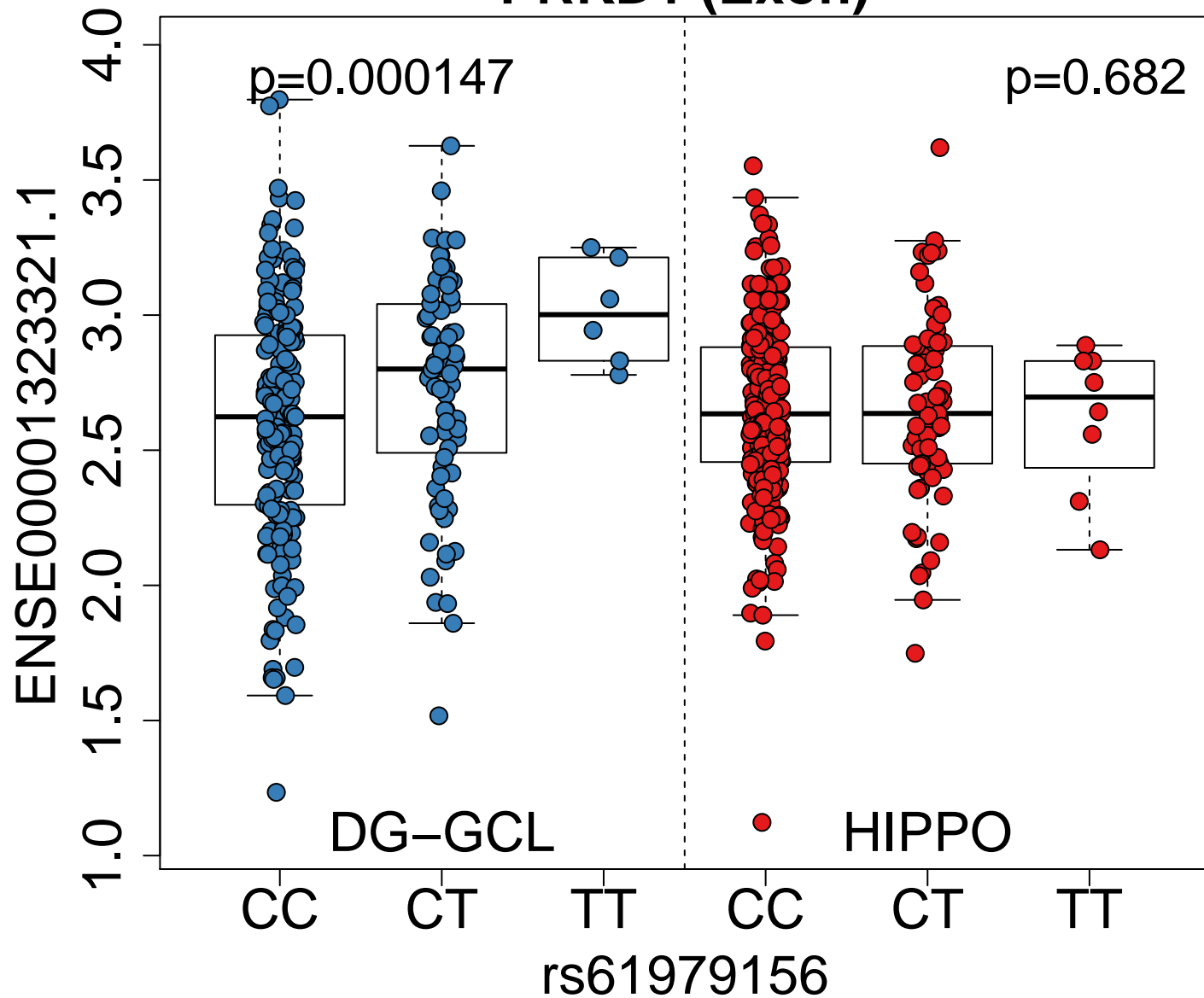
Index: rs281299 ($R^2=1$)

SEMA6D (Exon)

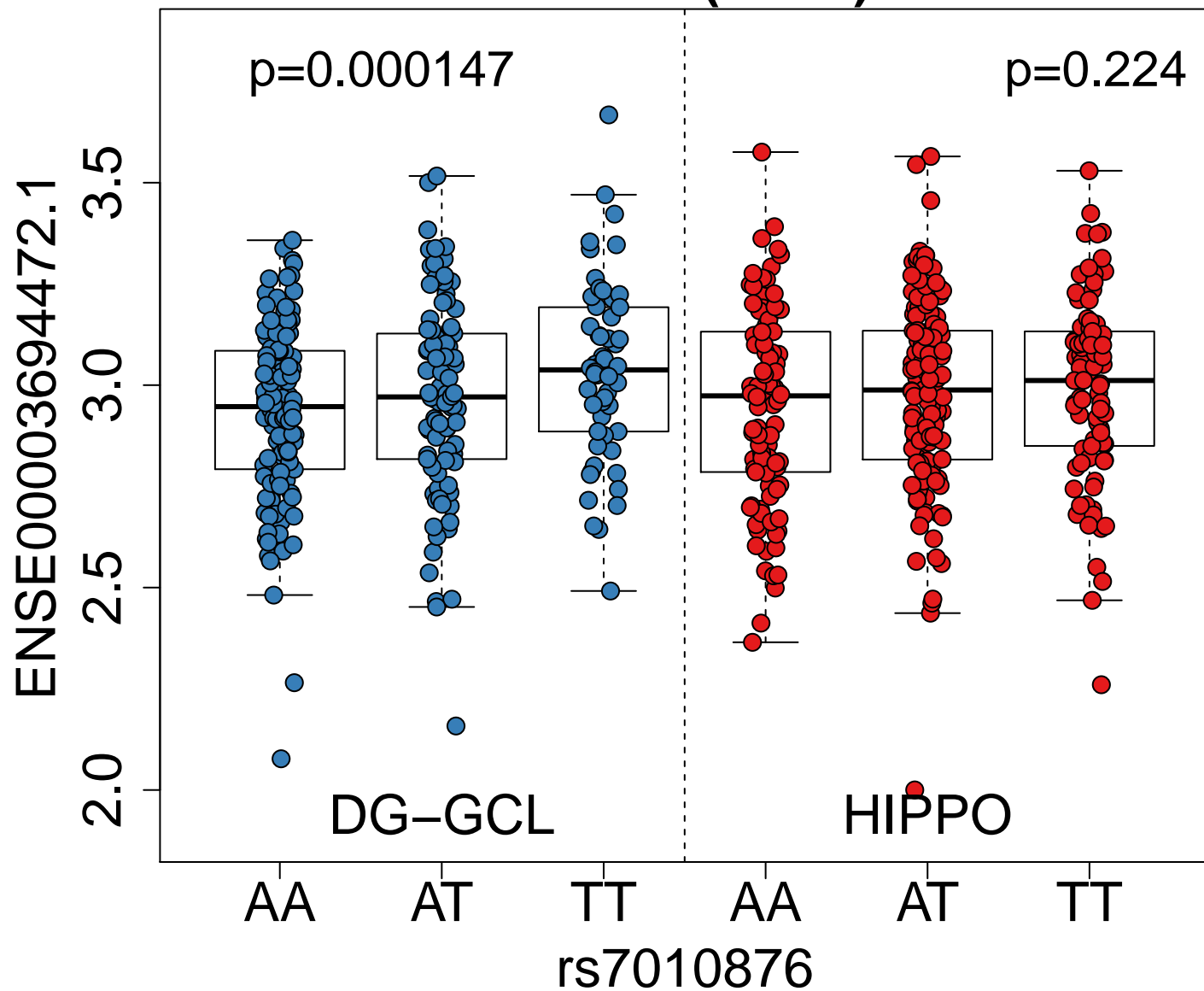


Index: rs1191551 ($R^2=0.85$)

PRKD1 (Exon)

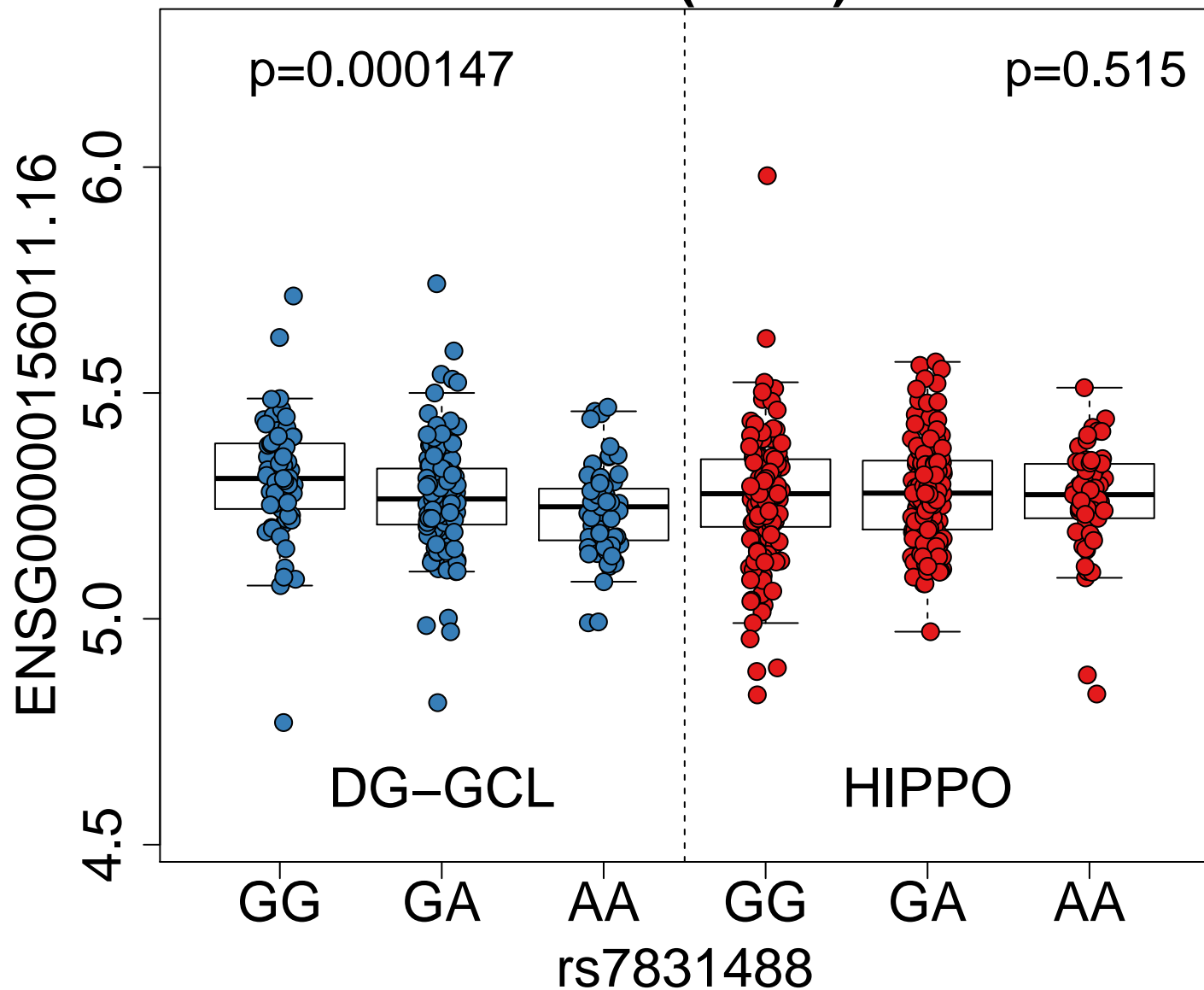


Index: rs7010876 ($R^2=1$)
MMP16 (Exon)



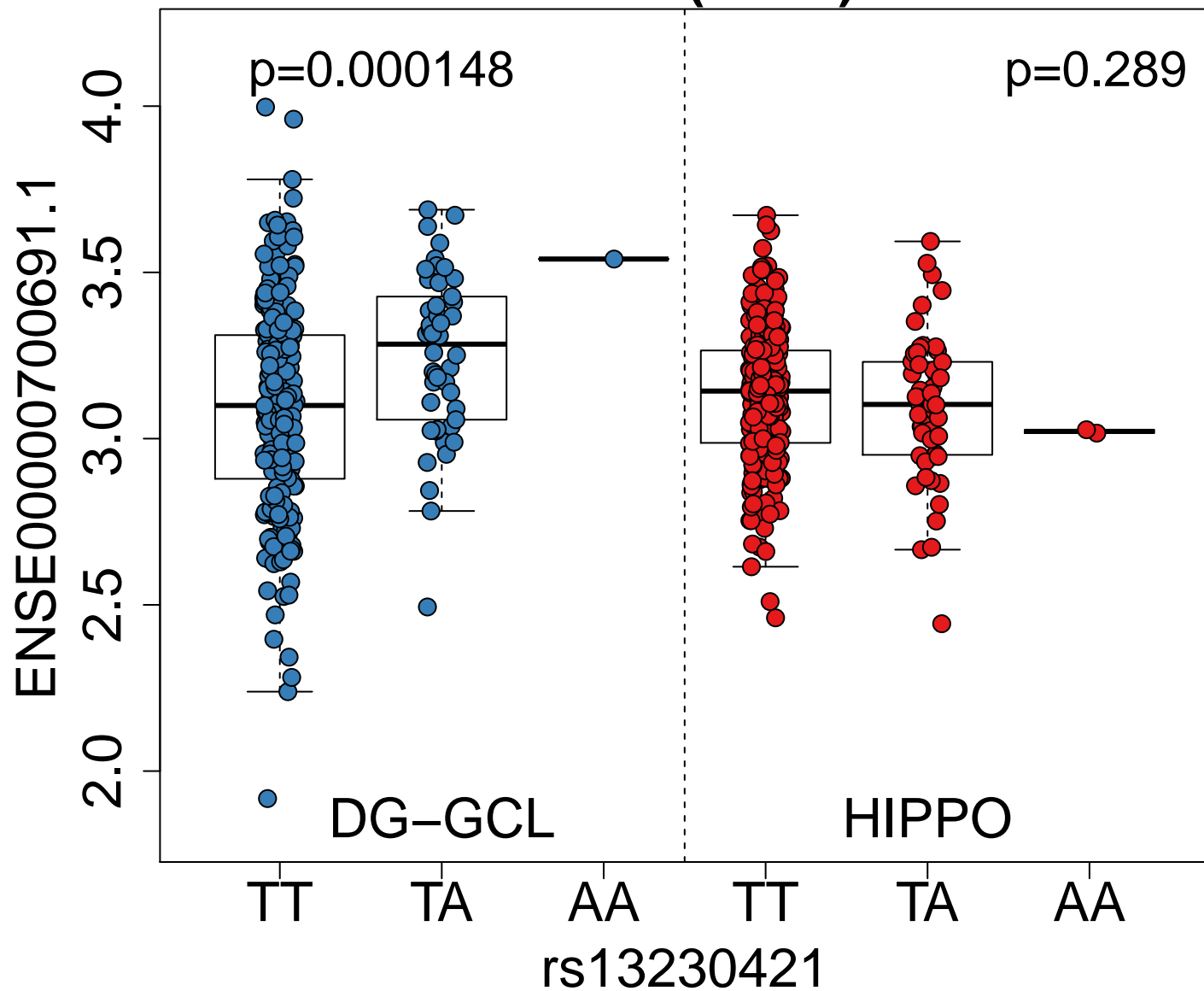
Index: rs2410572 ($R^2=0.857$)

PSD3 (Gene)

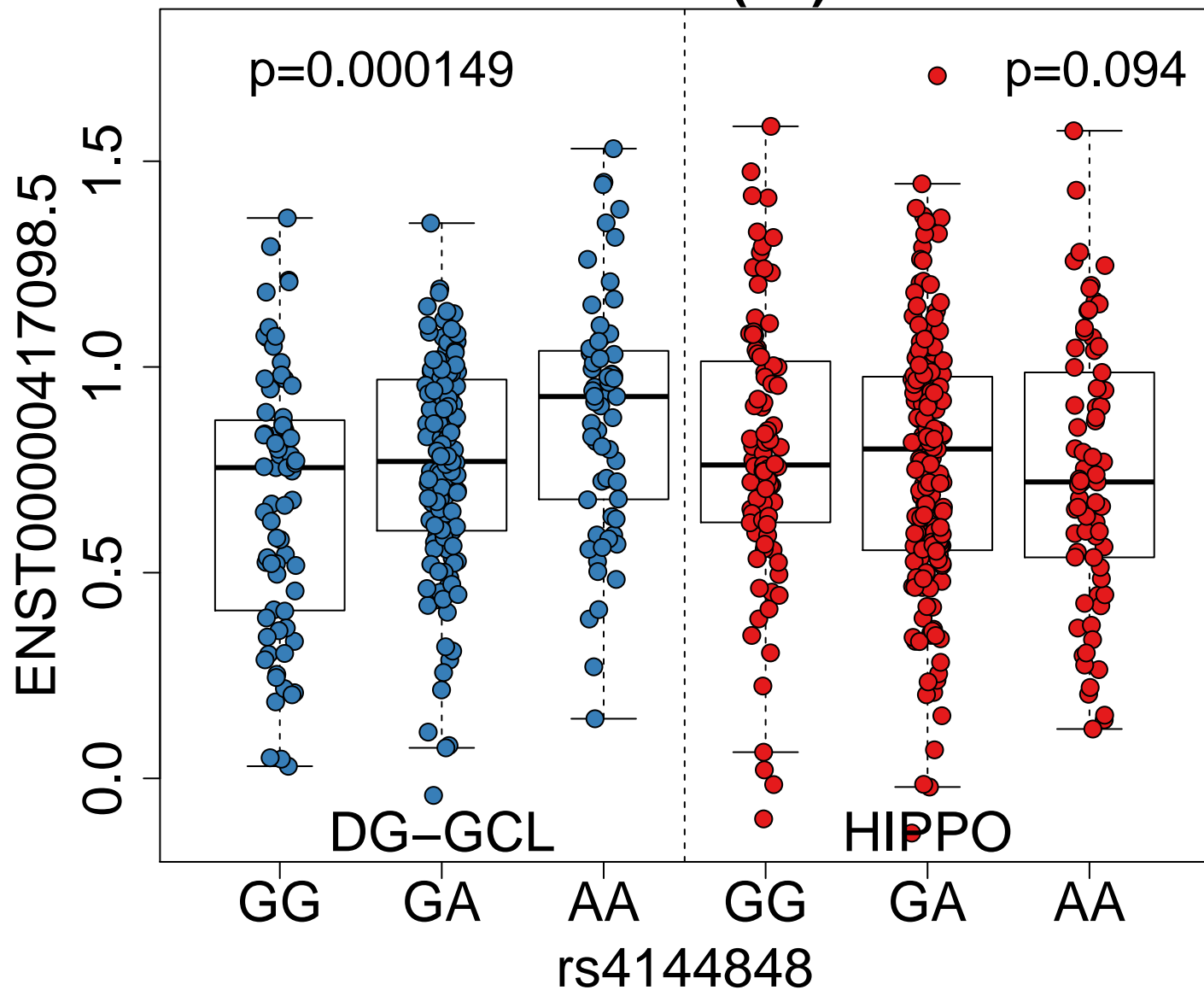


Index: rs12704290 ($R^2=0.968$)

GRM3 (Exon)



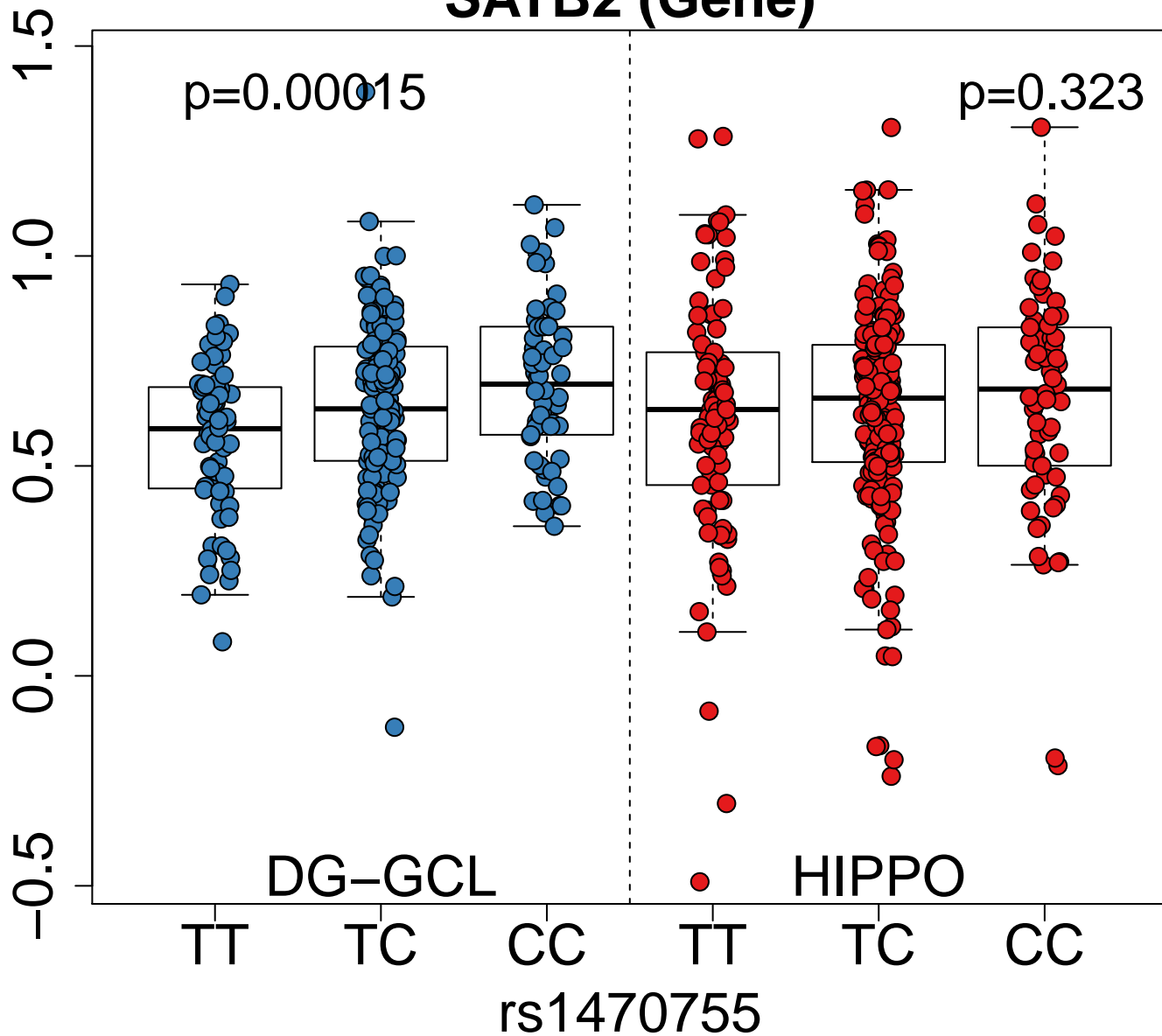
Index: rs1451488 ($R^2=0.876$)
SATB2 (Tx)



Index: rs1451488 ($R^2=0.835$)

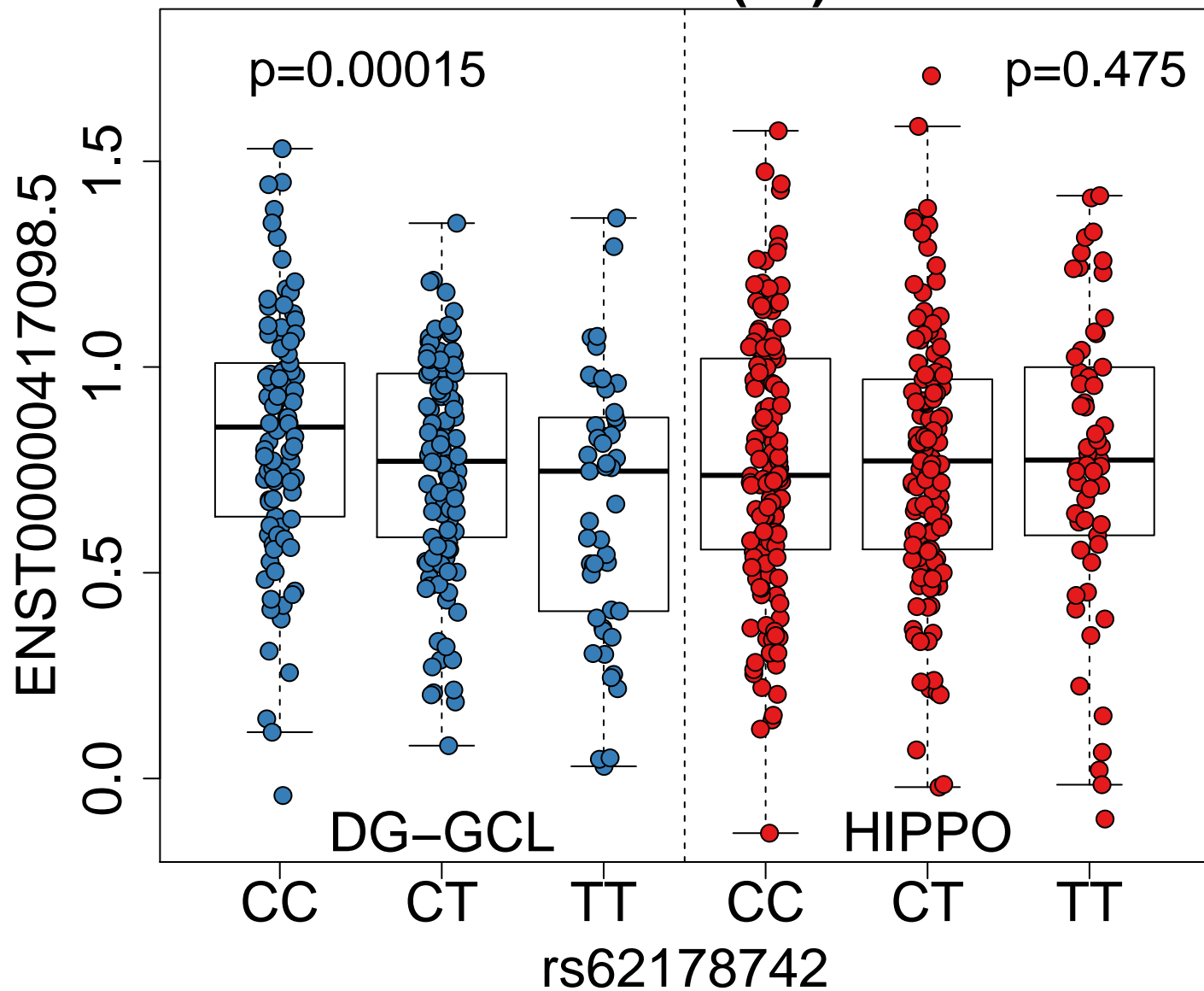
SATB2 (Gene)

ENSG00000119042.16



Index: rs1451488 ($R^2=0.81$)

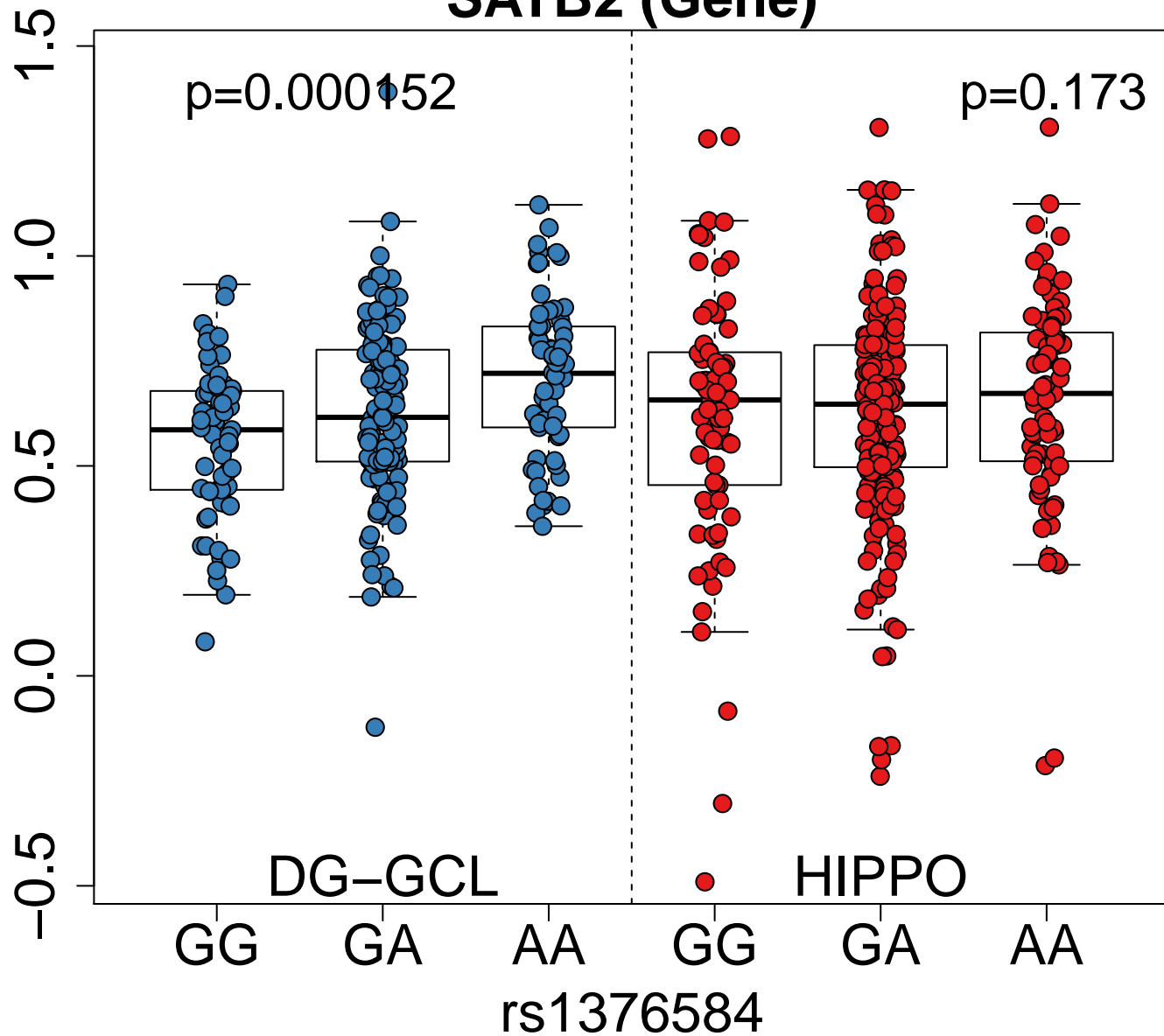
SATB2 (Tx)



Index: rs1451488 ($R^2=0.876$)

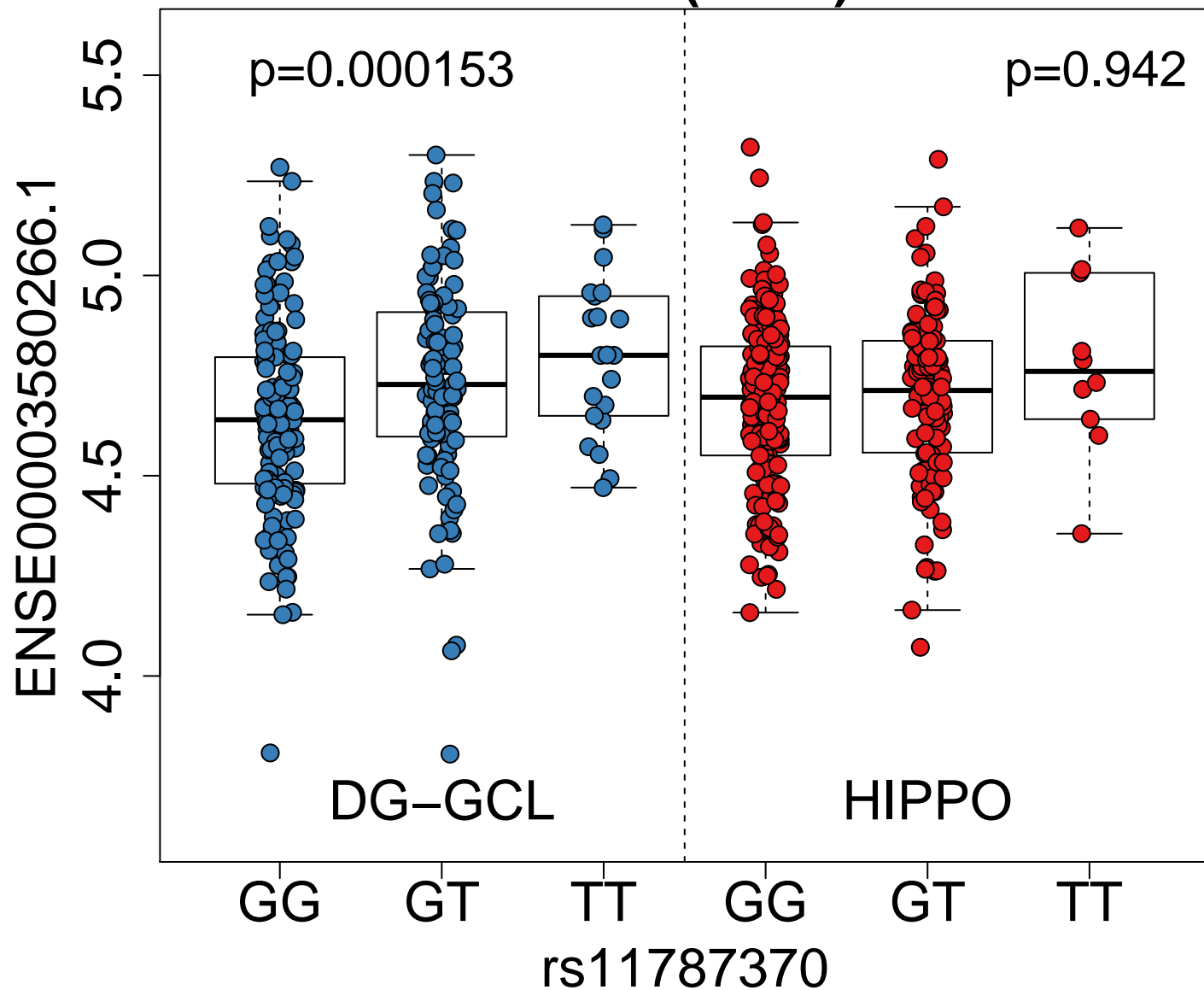
SATB2 (Gene)

ENSG00000119042.16



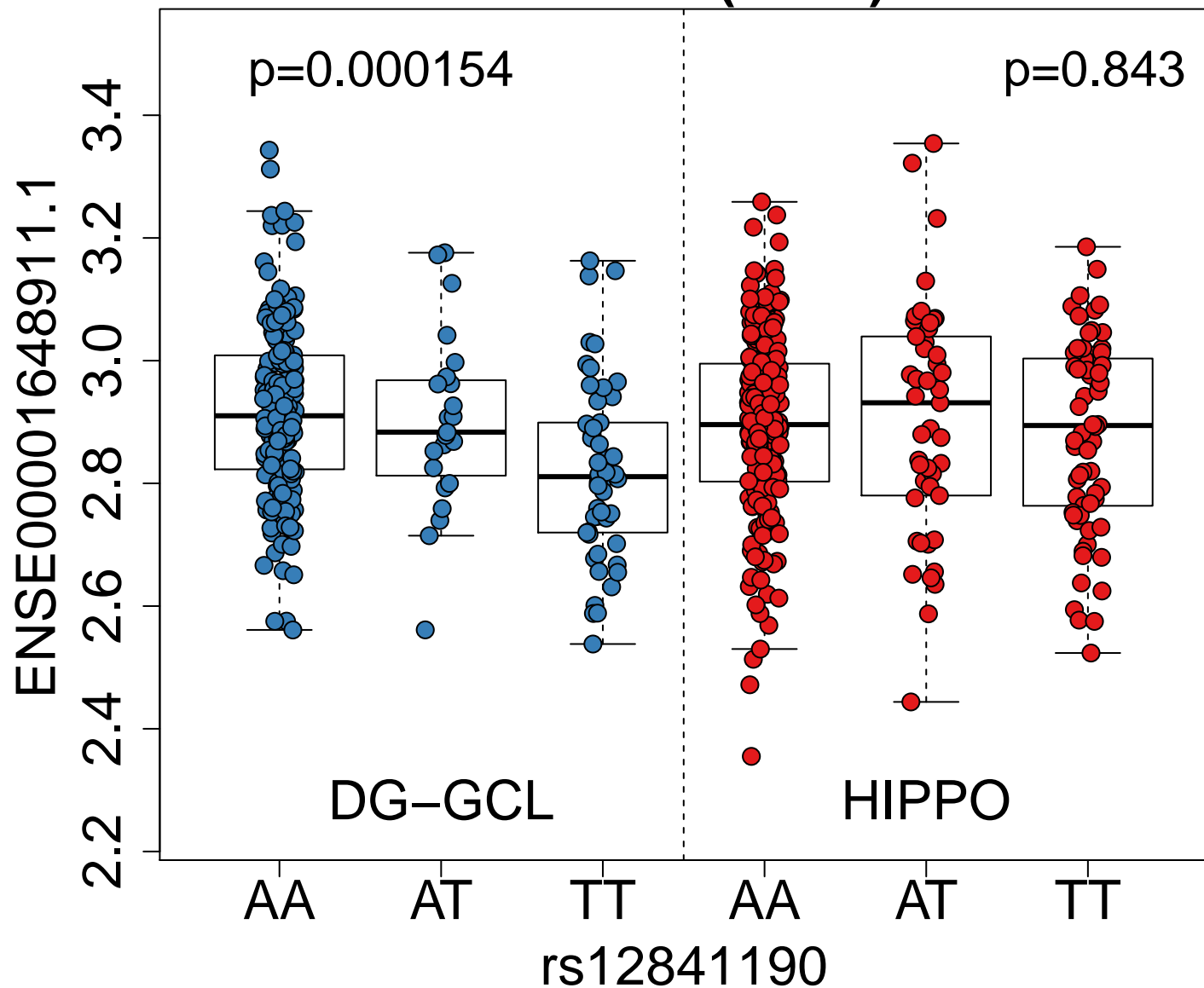
Index: rs11993663 ($R^2=0.935$)

TNKS (Exon)



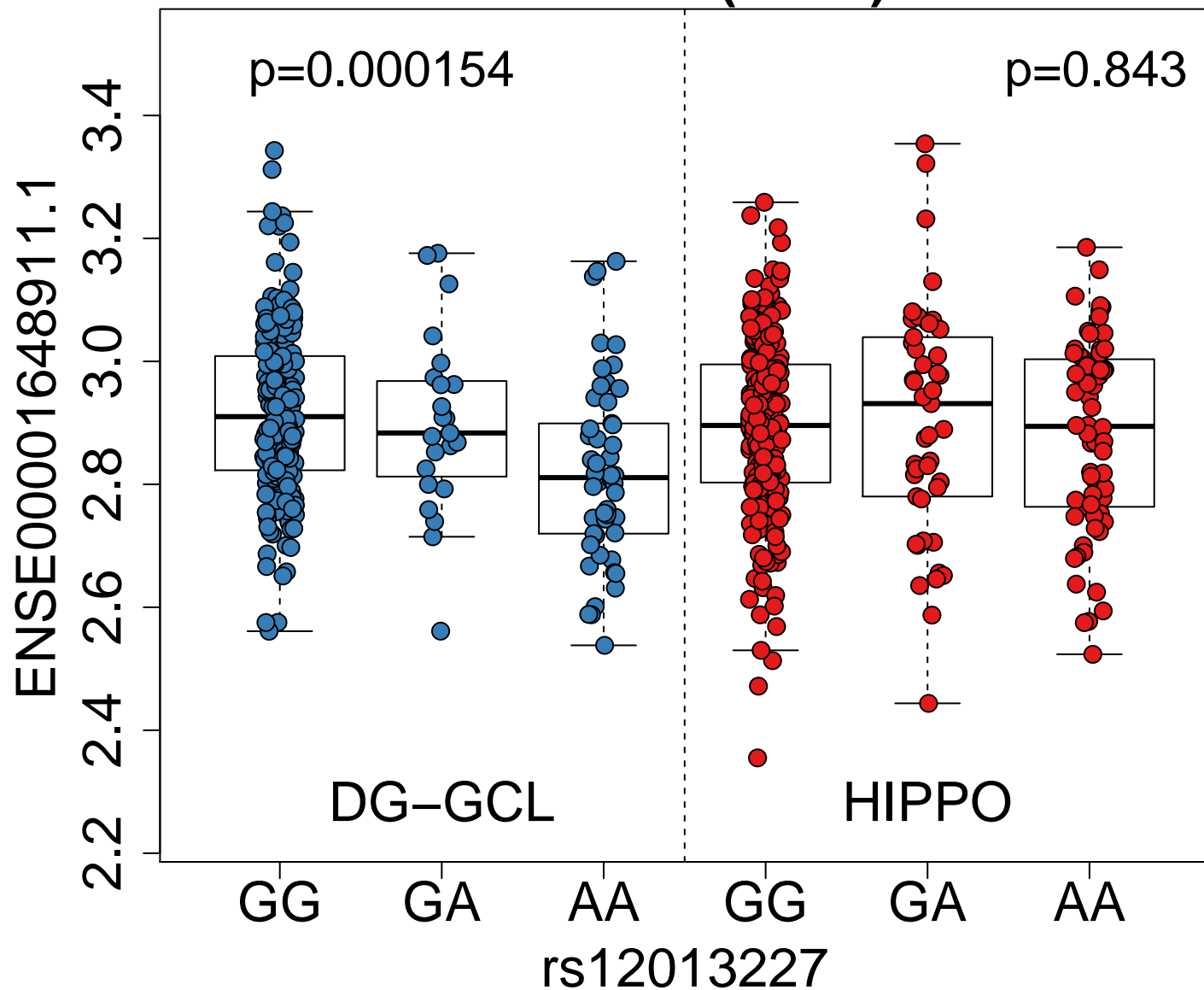
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



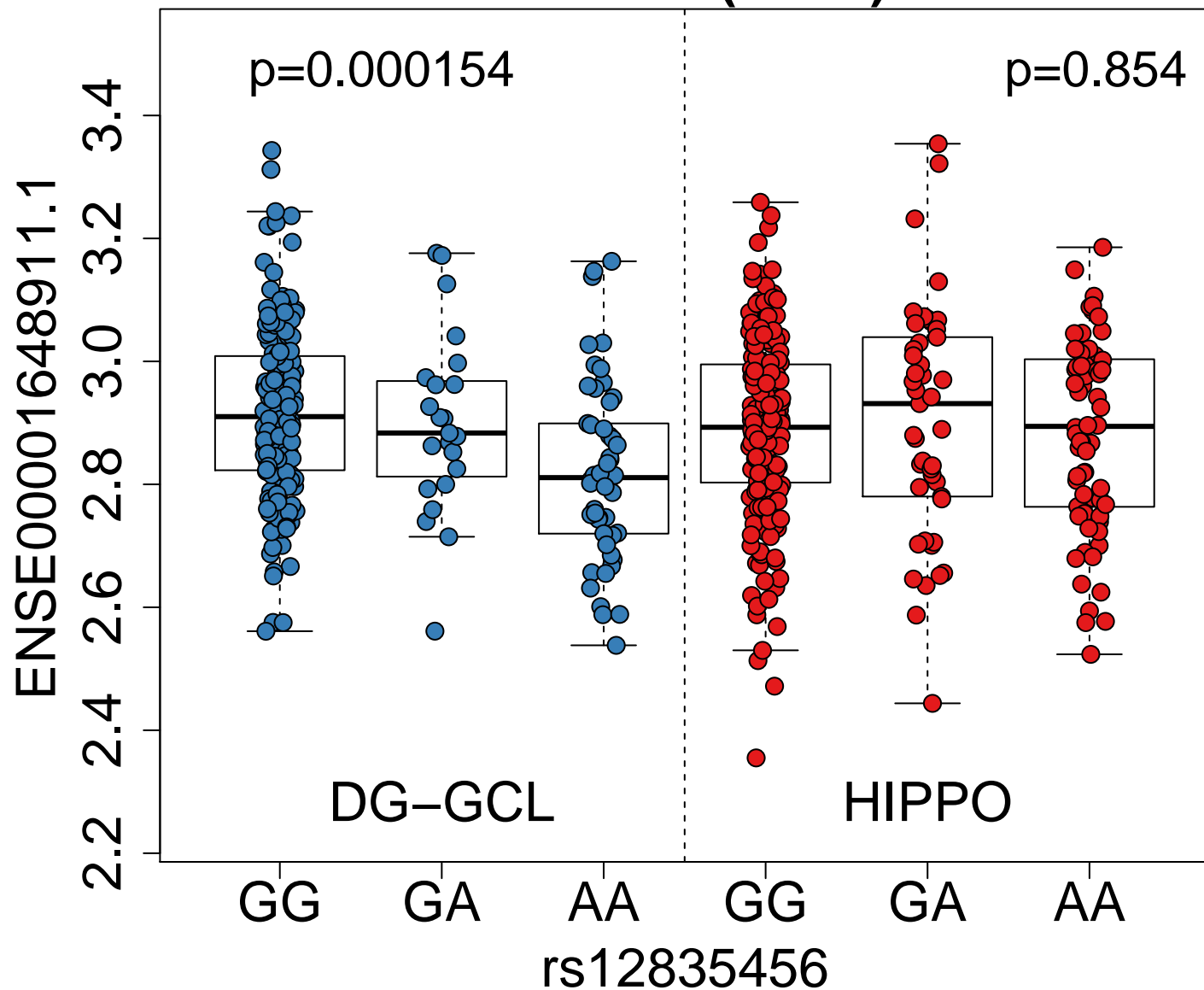
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



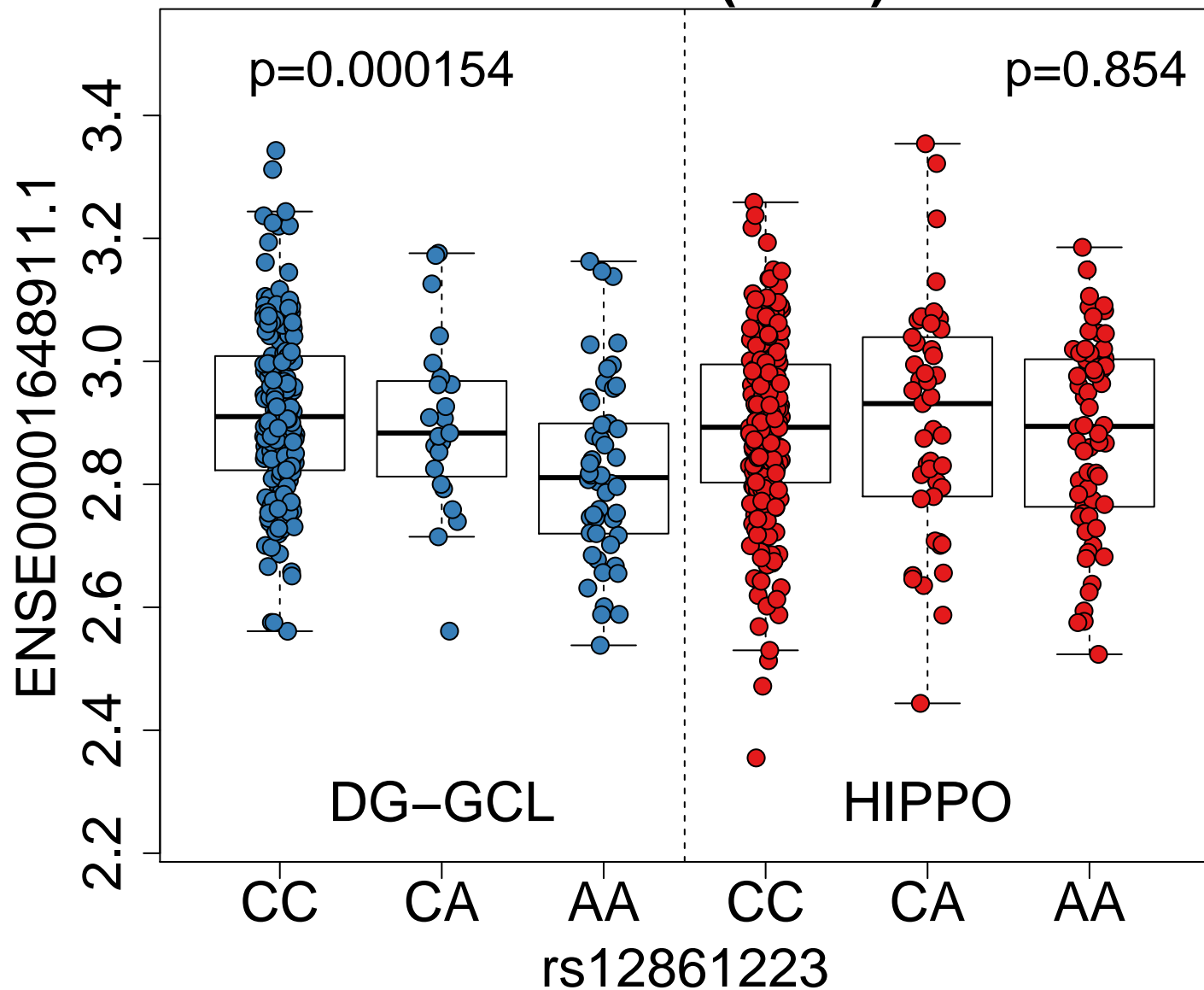
Index: rs12009217 ($R^2=0.991$)

NLGN4X (Exon)



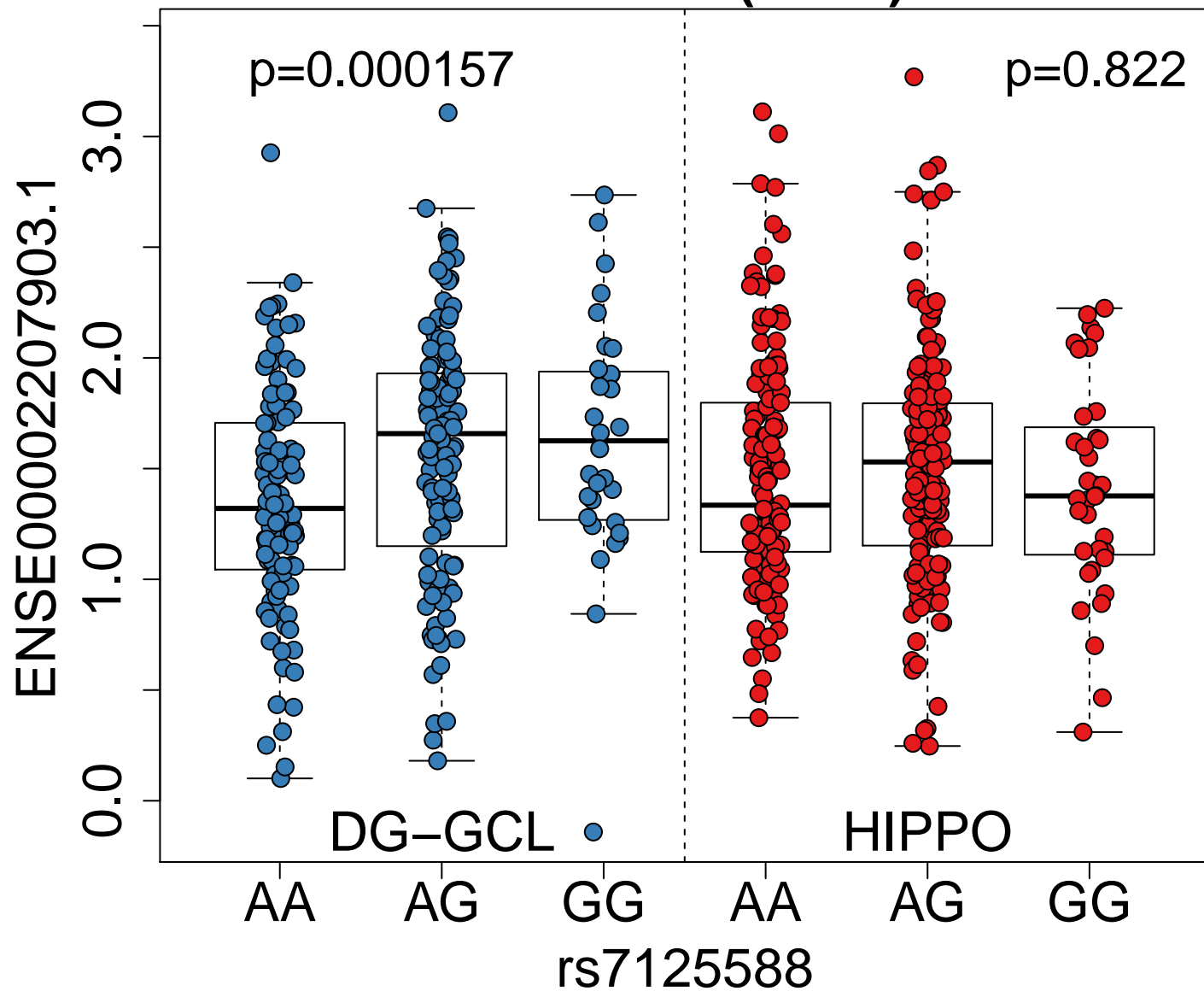
Index: rs12009217 ($R^2=0.983$)

NLGN4X (Exon)



Index: rs4936277 ($R^2=0.816$)

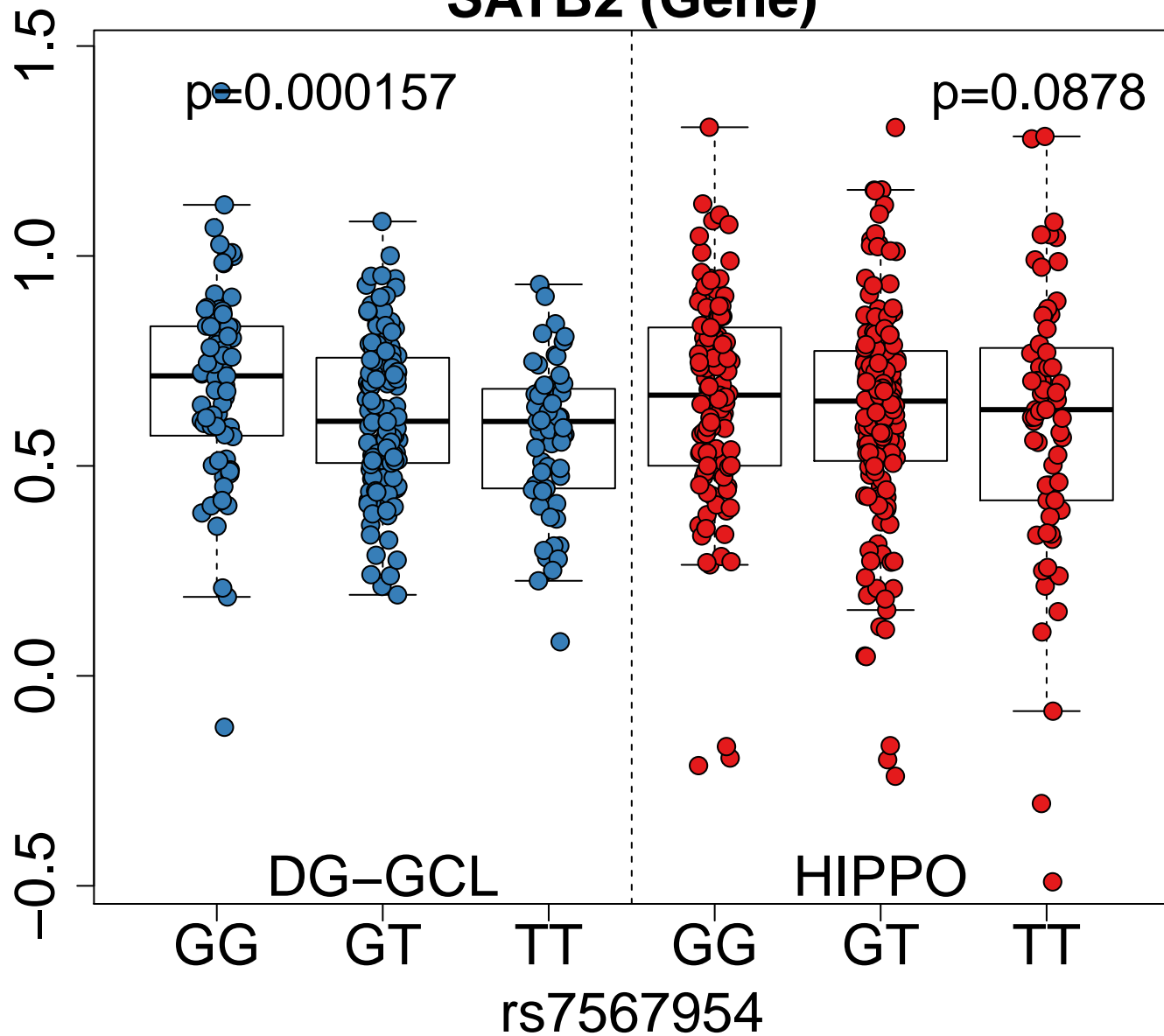
TMPRSS5 (Exon)



Index: rs1451488 ($R^2=0.838$)

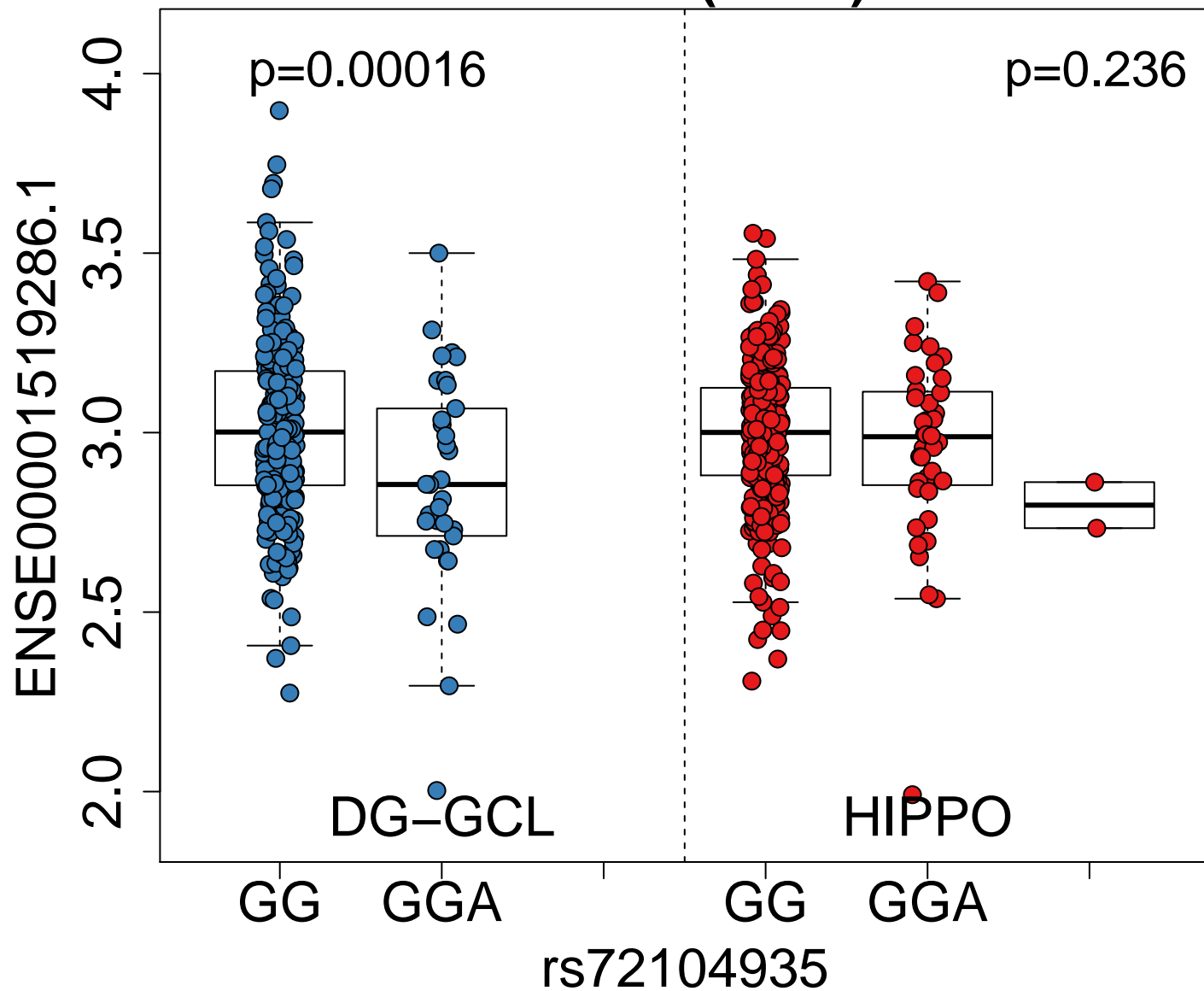
SATB2 (Gene)

ENSG00000119042.16



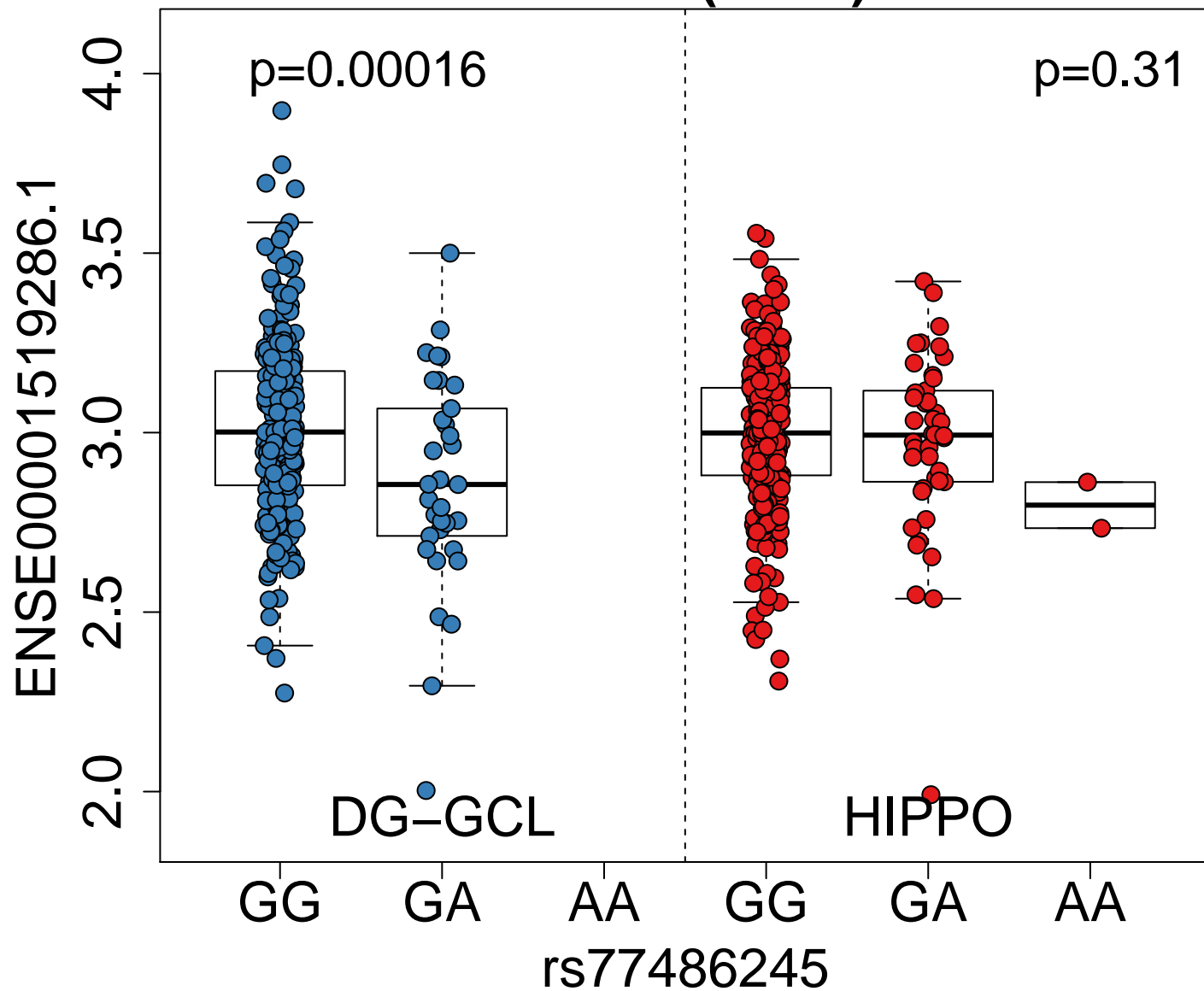
Index: rs147922658 ($R^2=0.929$)

DMTF1 (Exon)



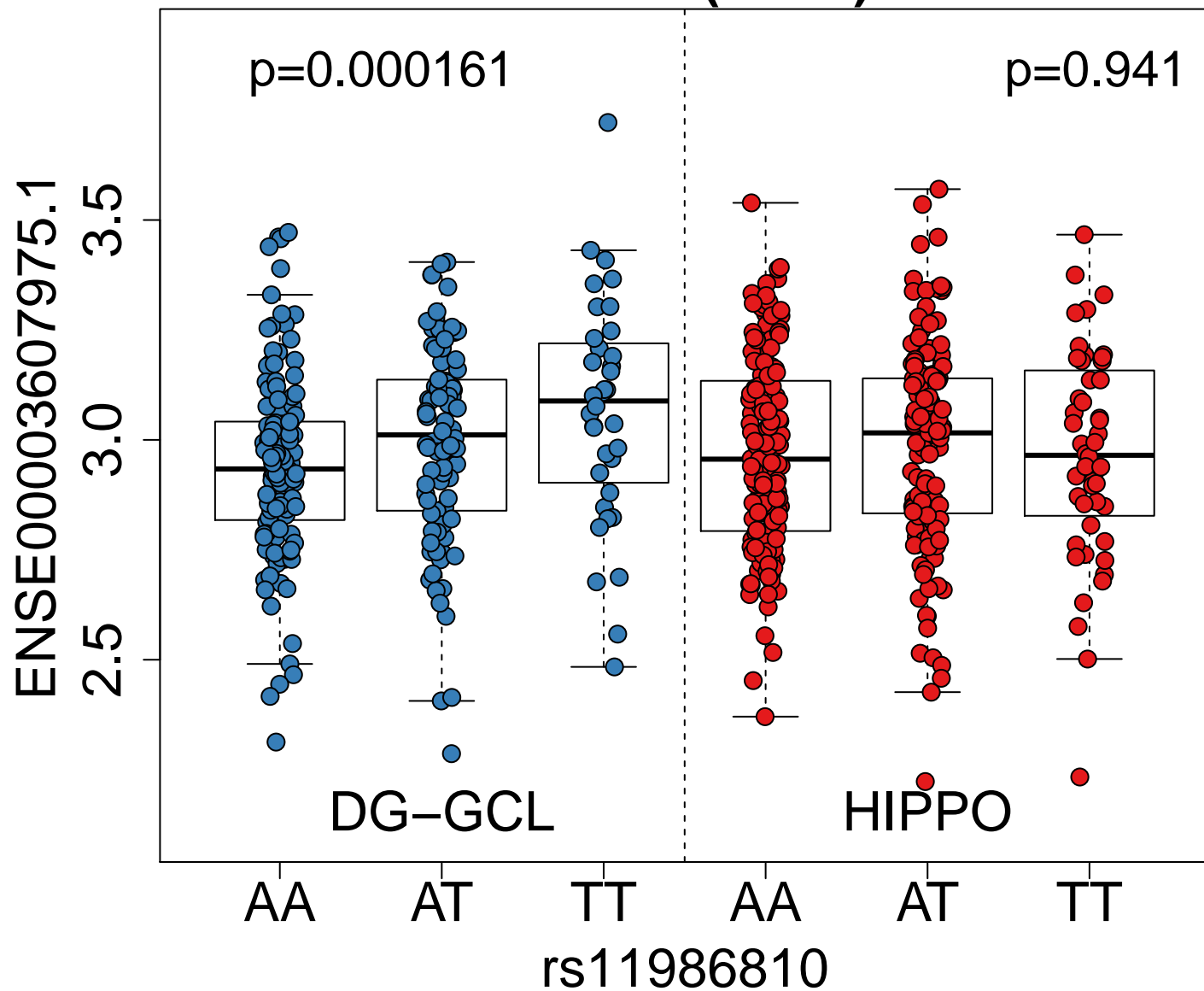
Index: rs147922658 ($R^2=0.929$)

DMTF1 (Exon)



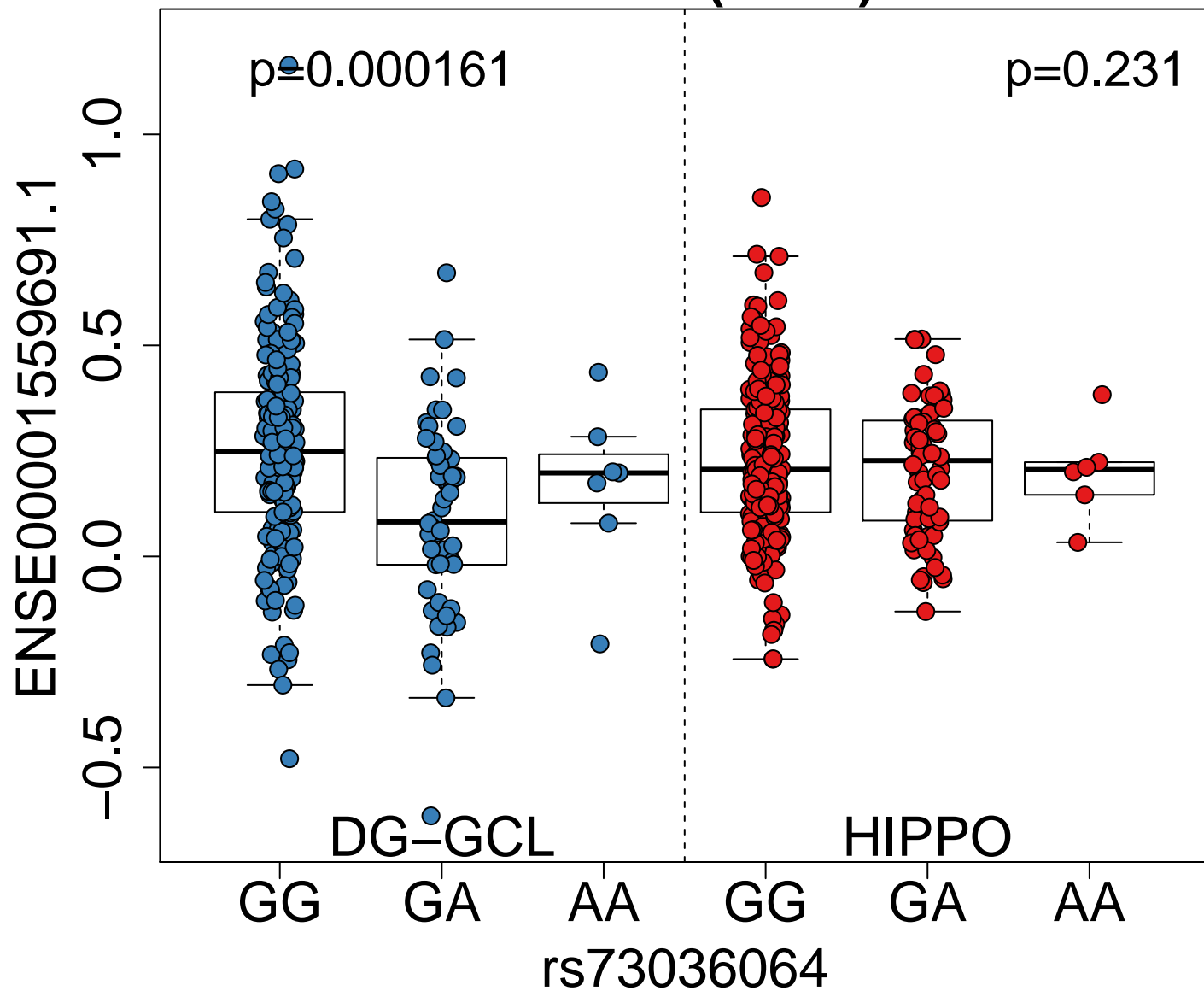
Index: rs7010876 ($R^2=0.803$)

MMP16 (Exon)



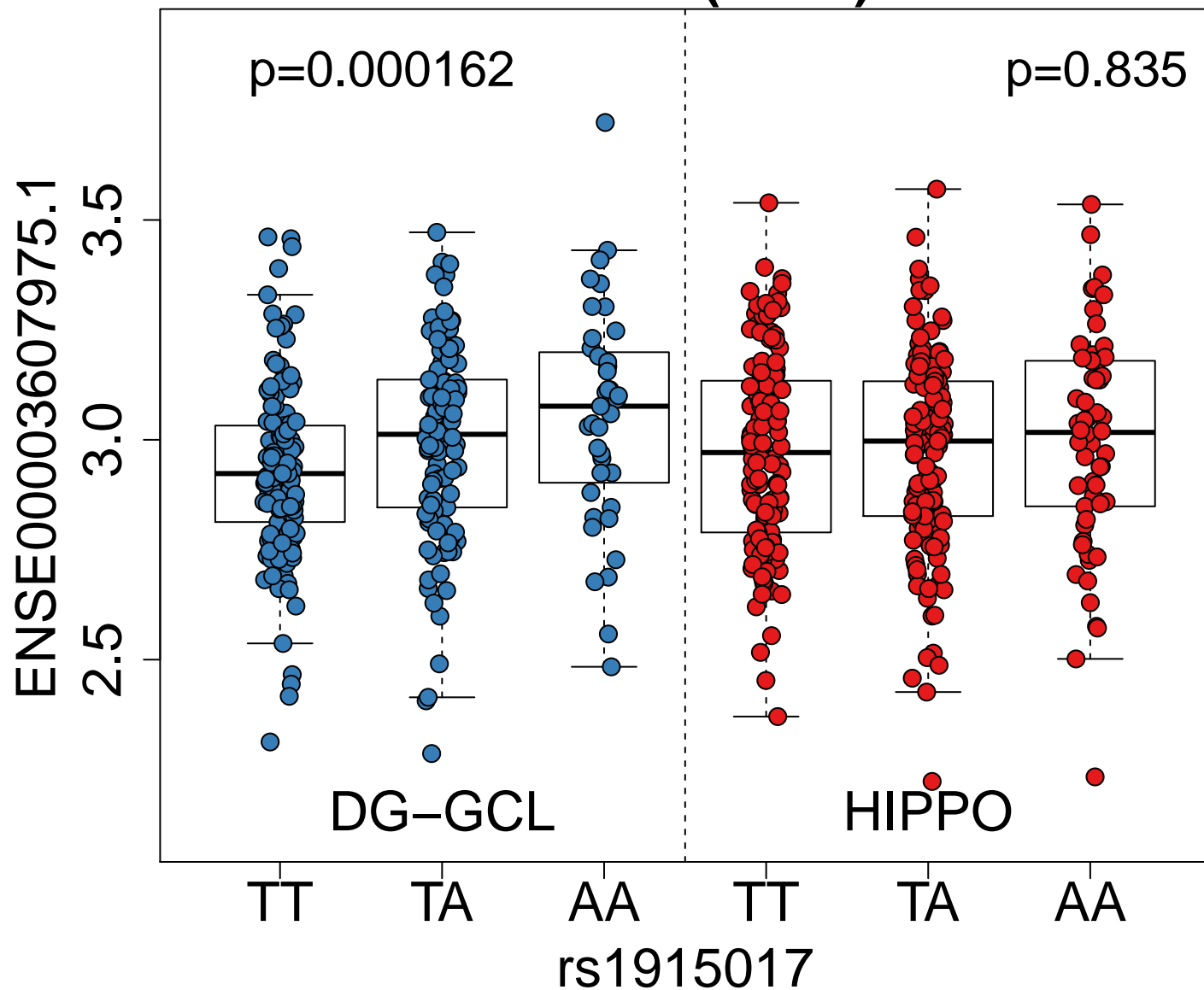
Index: rs4936215 ($R^2=0.802$)

IGSF9B (Exon)



Index: rs7010876 ($R^2=0.843$)

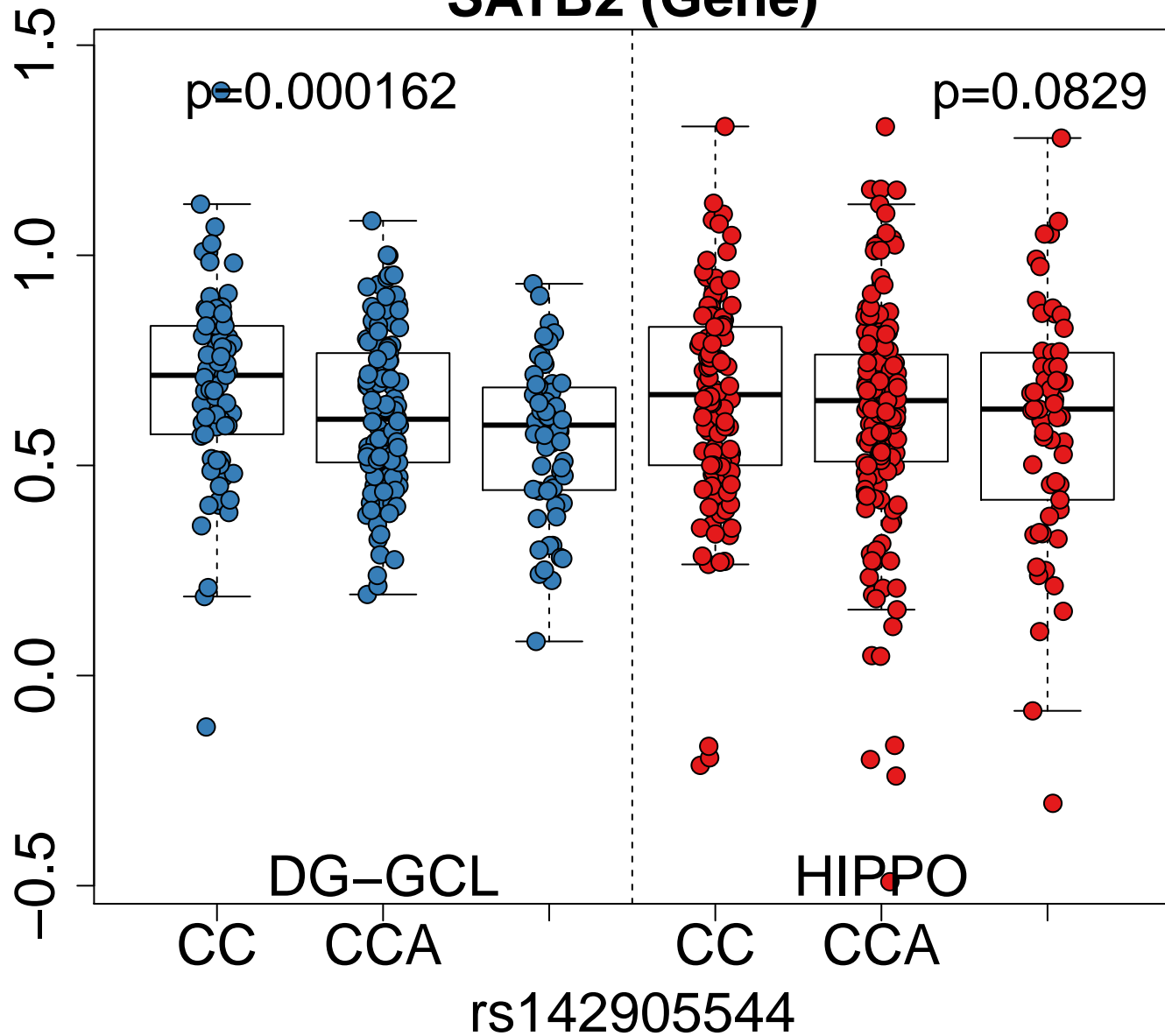
MMP16 (Exon)



Index: rs1451488 ($R^2=0.814$)

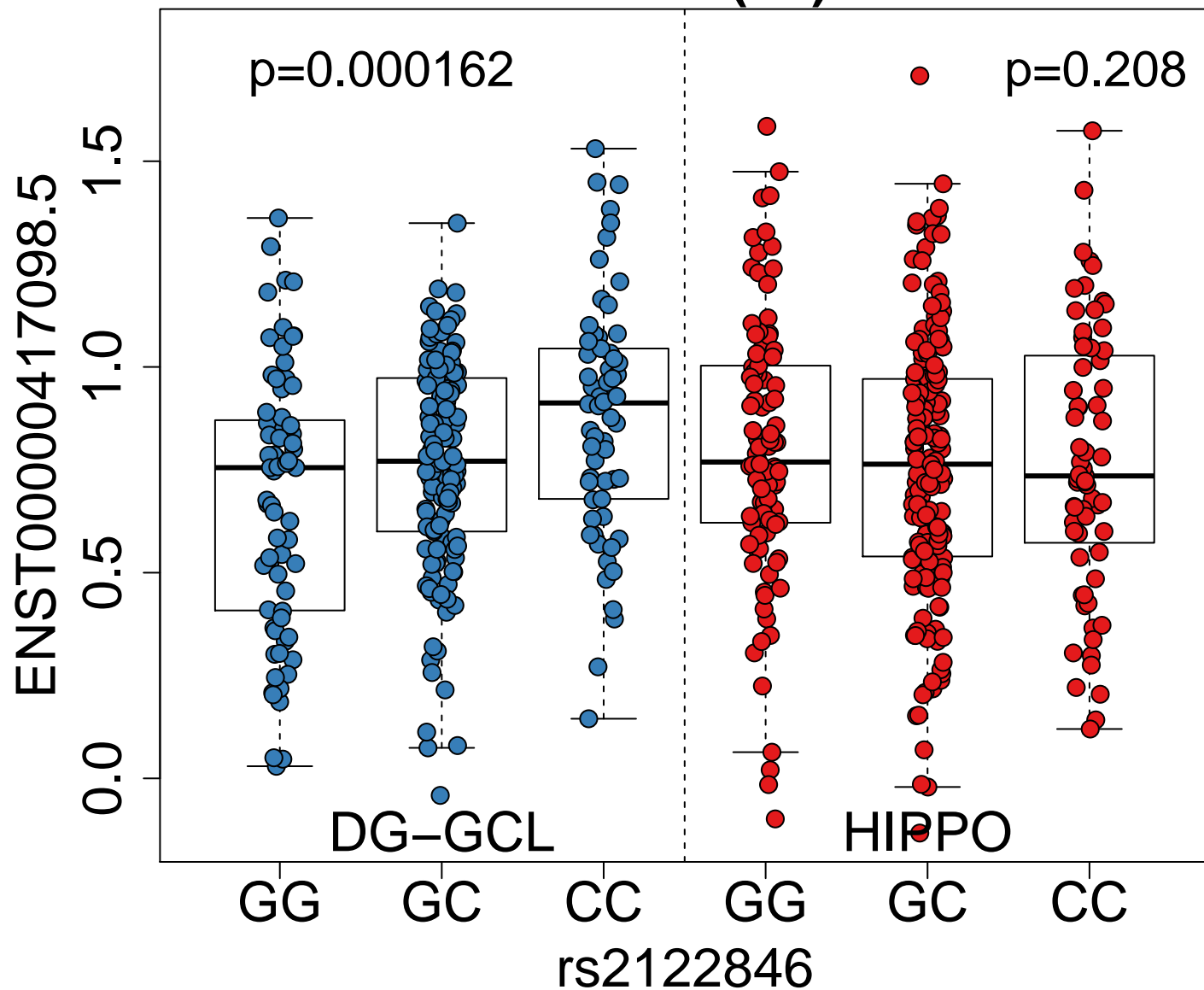
SATB2 (Gene)

ENSG00000119042.16

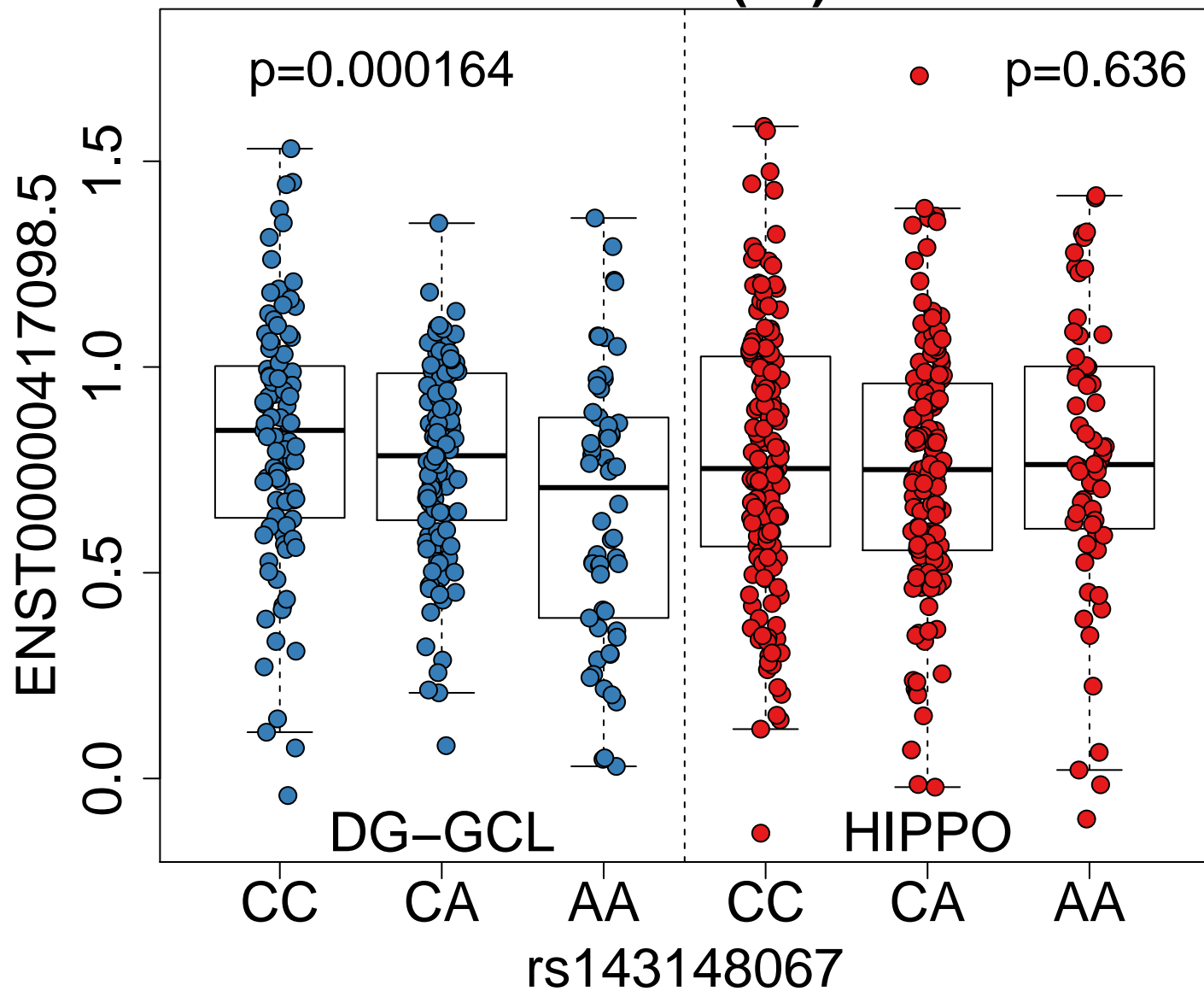


Index: rs1451488 ($R^2=0.868$)

SATB2 (Tx)

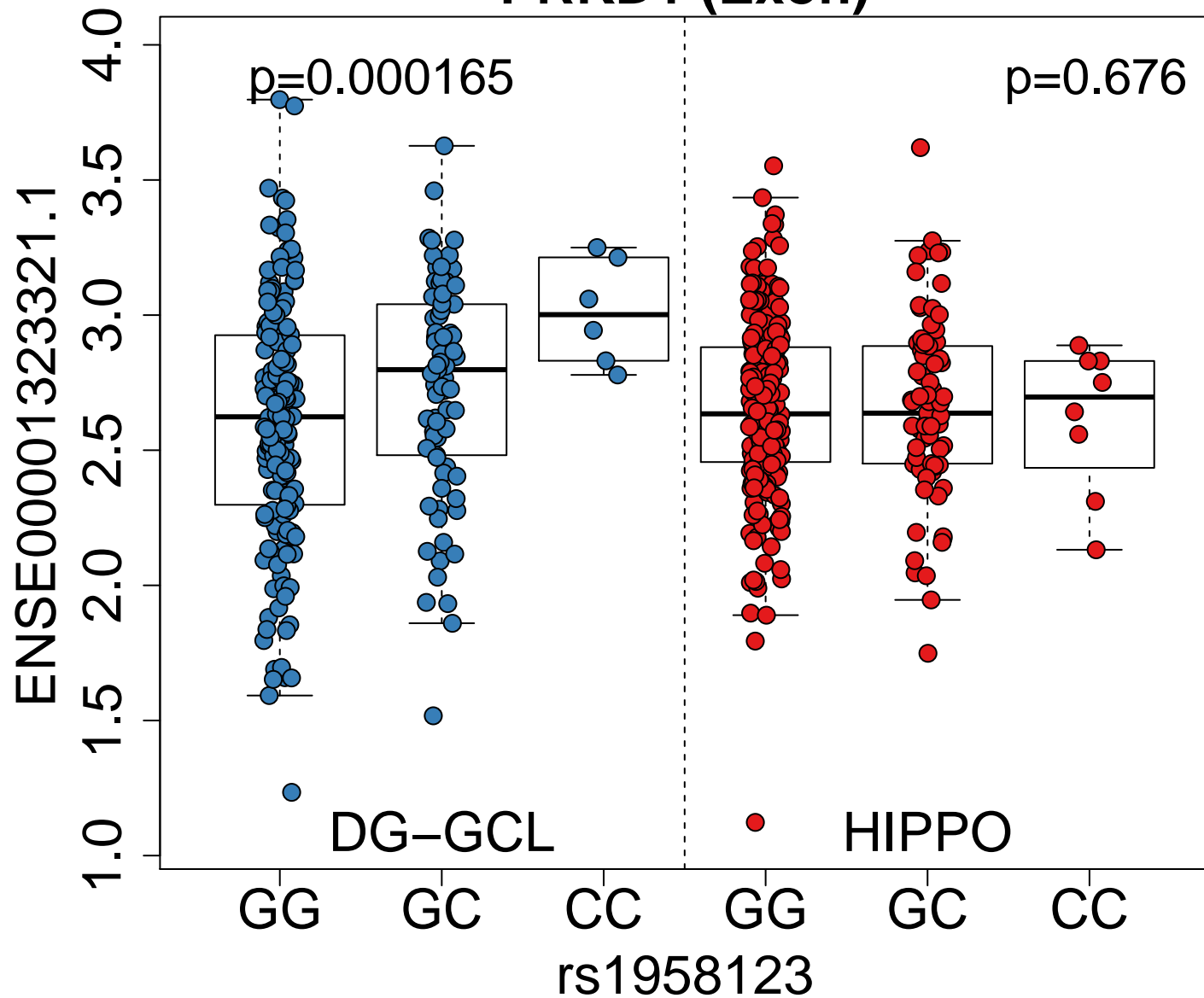


Index: rs1451488 ($R^2=0.911$)
SATB2 (Tx)



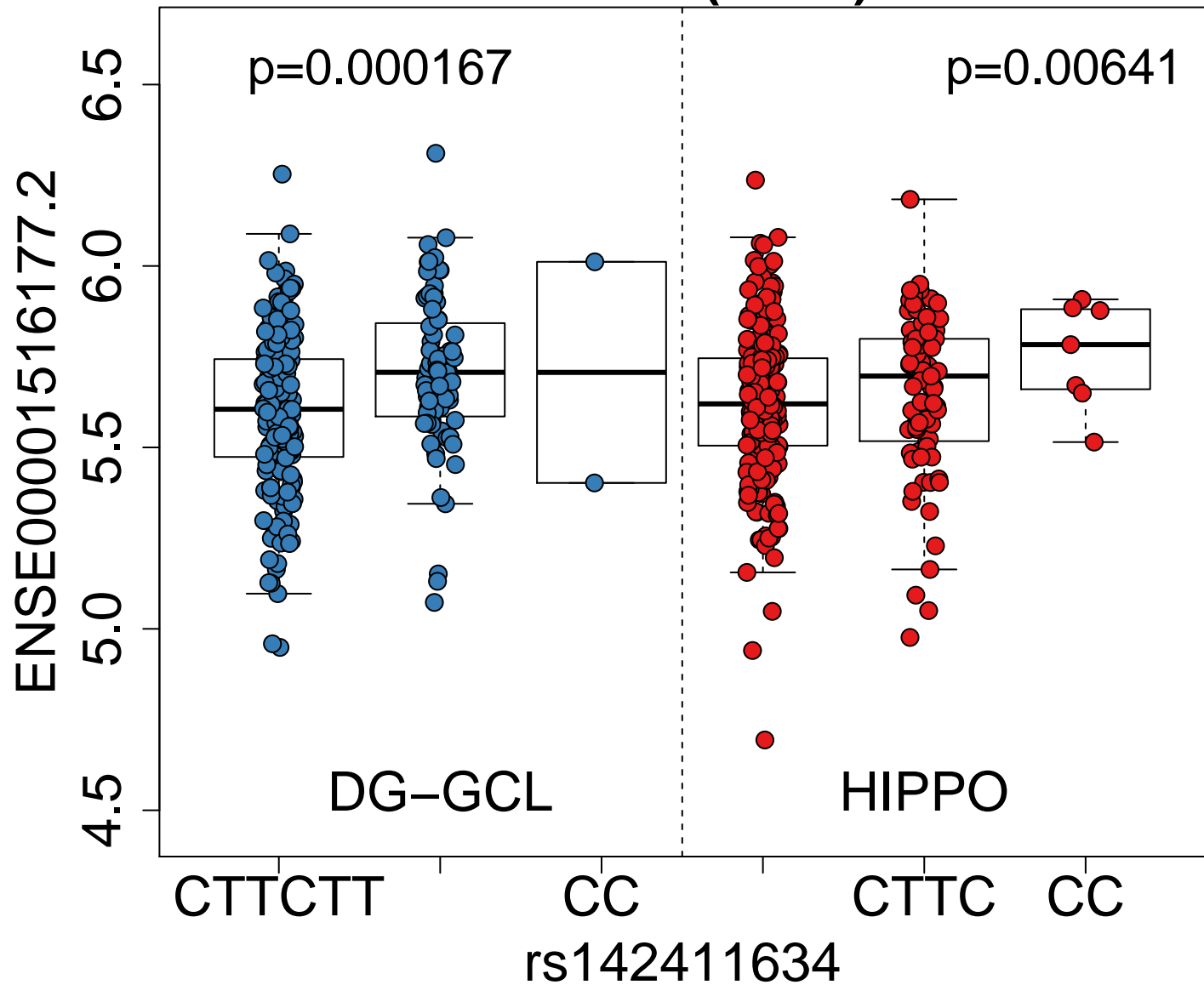
Index: rs1191551 ($R^2=0.85$)

PRKD1 (Exon)



Index: rs62334820 ($R^2=0.945$)

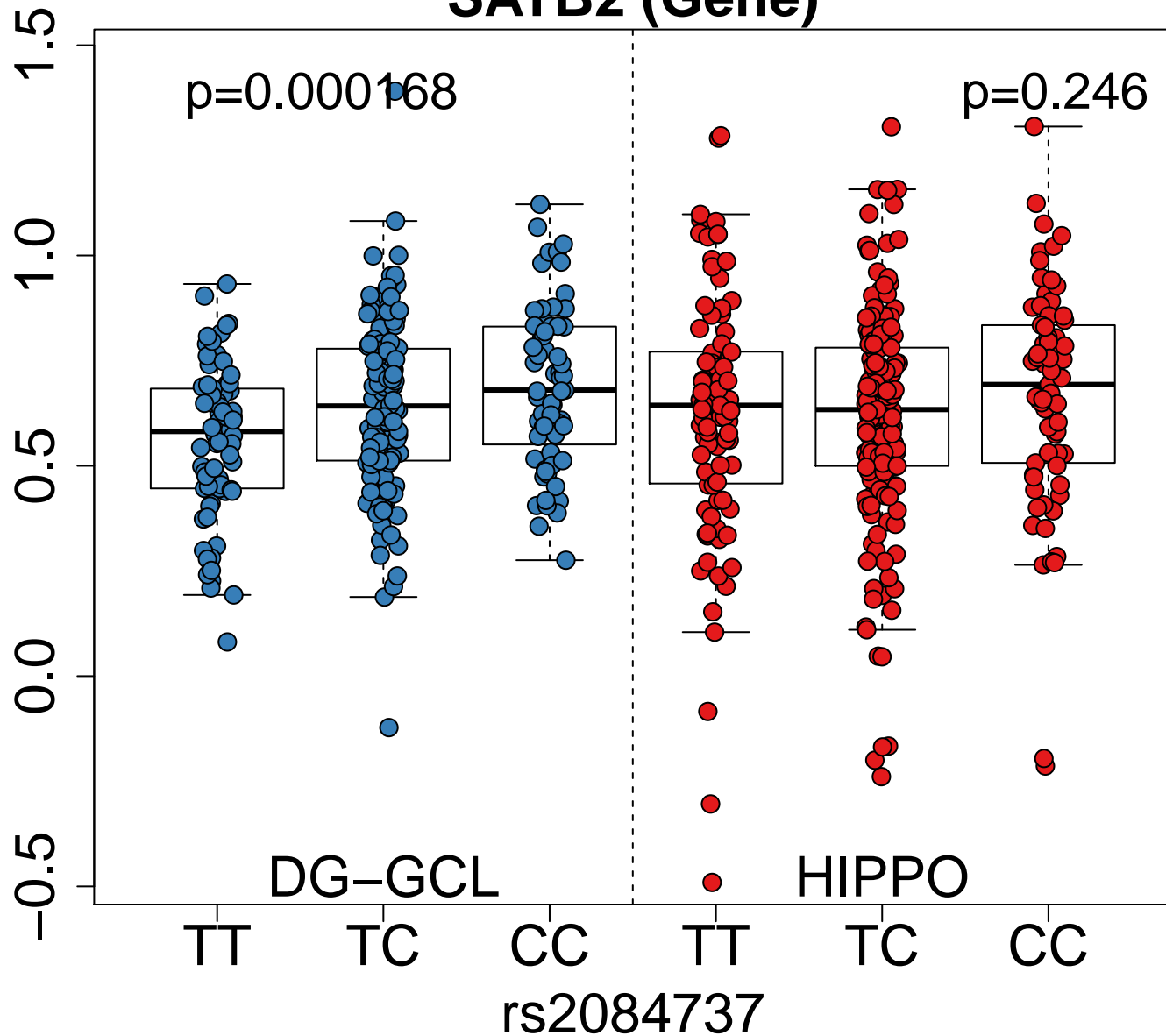
GPM6A (Exon)



Index: rs1451488 ($R^2=0.907$)

SATB2 (Gene)

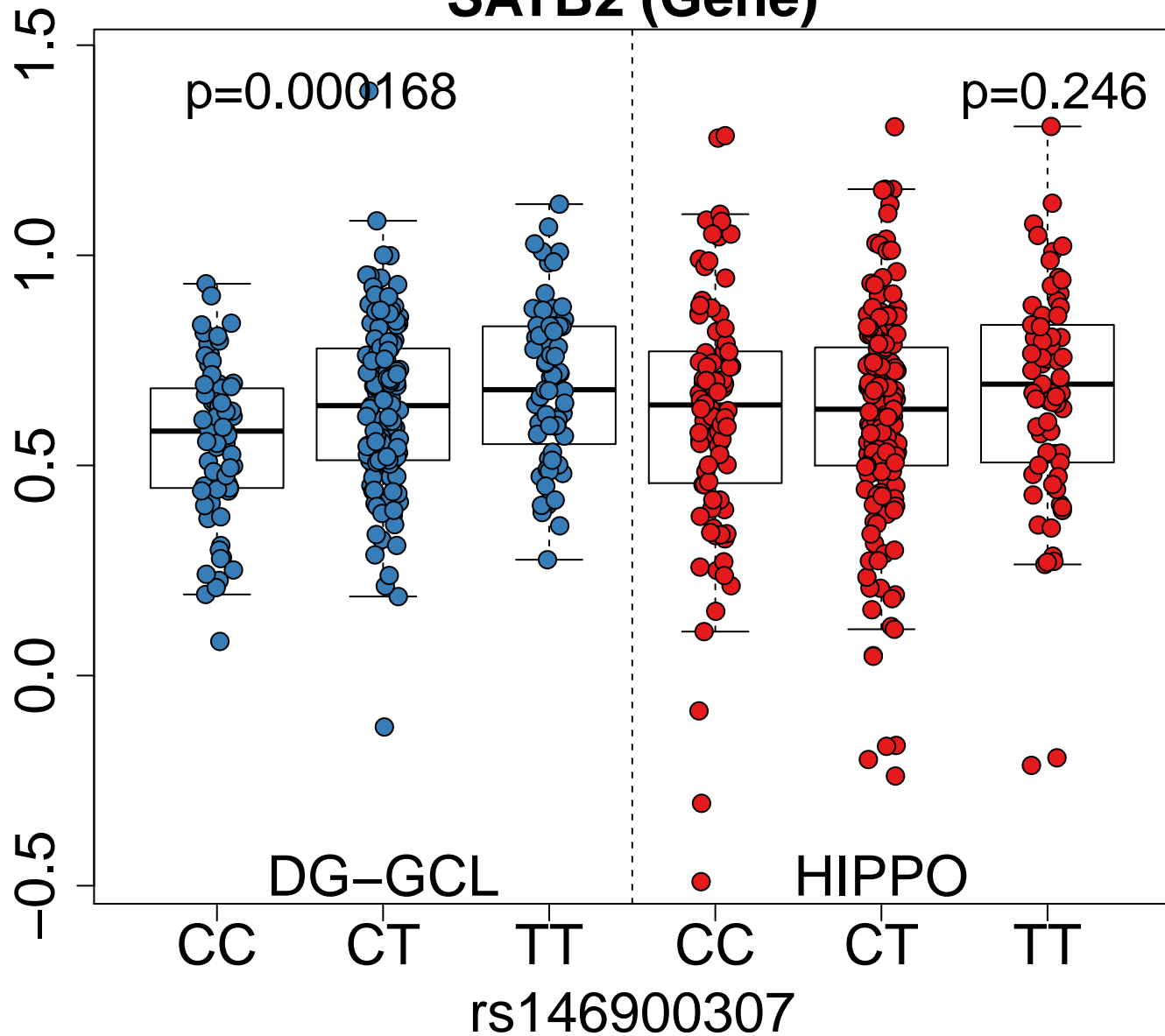
ENSG00000119042.16



Index: rs1451488 ($R^2=0.907$)

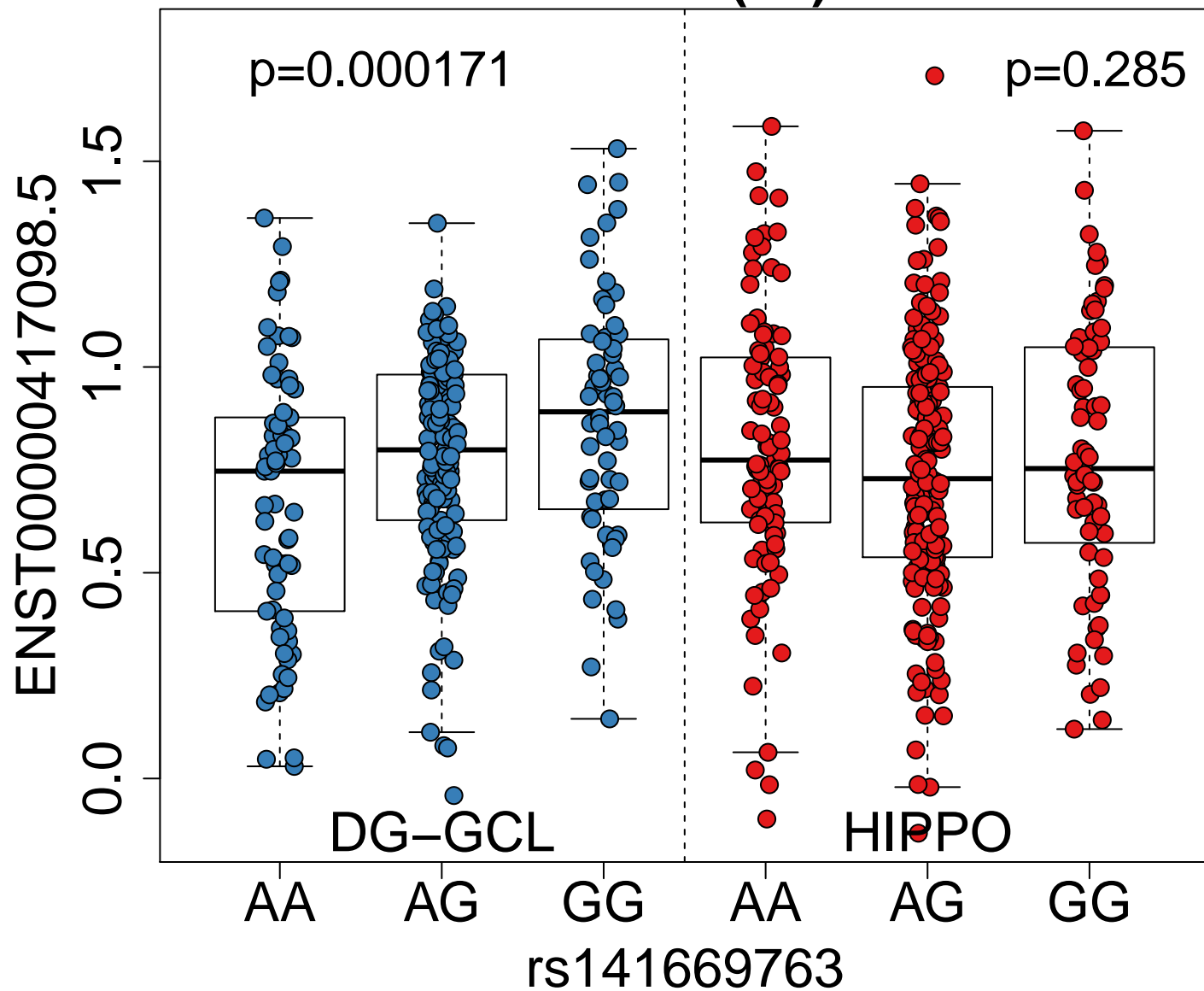
SATB2 (Gene)

ENSG00000119042.16



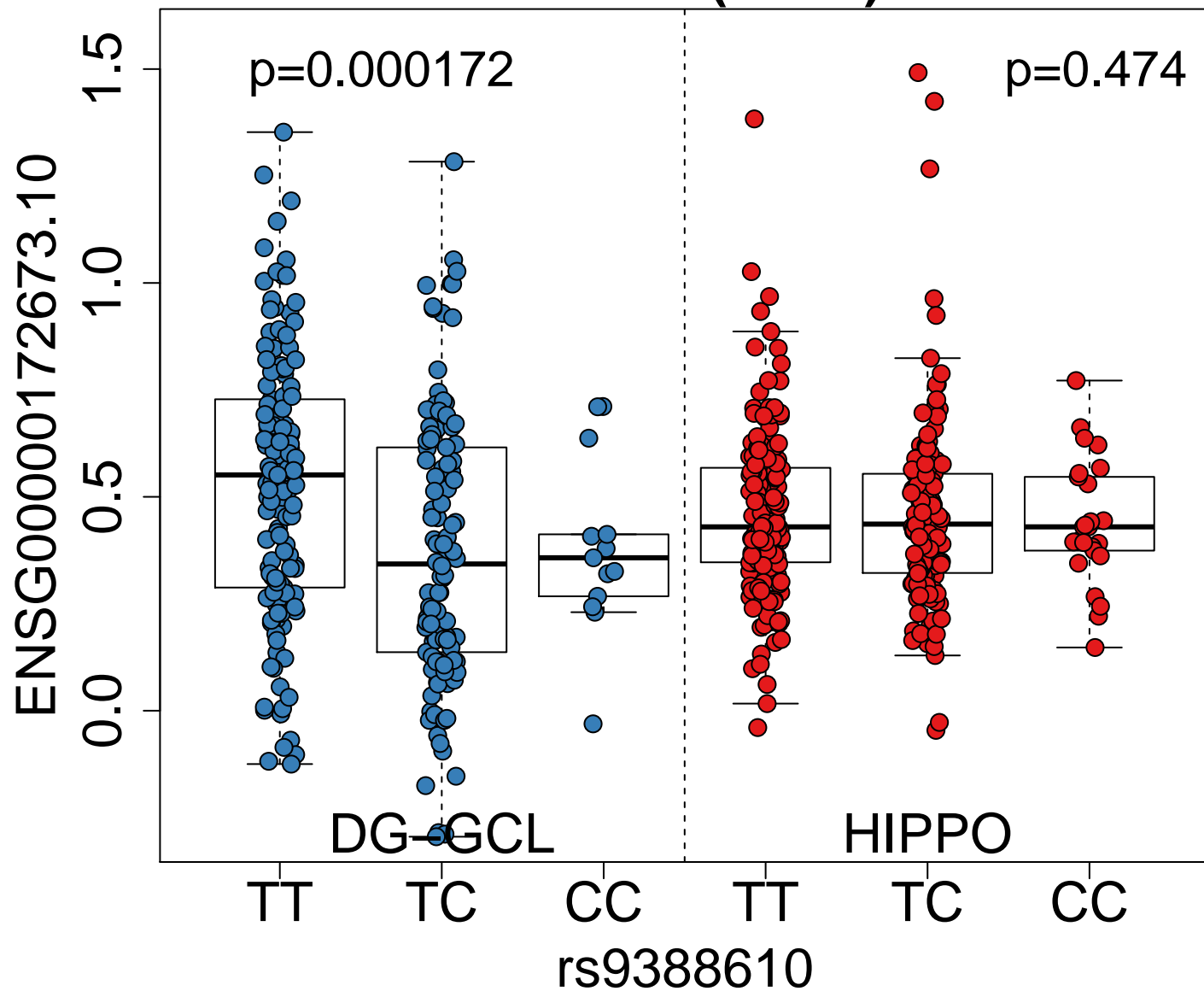
Index: rs1451488 ($R^2=0.903$)

SATB2 (Tx)



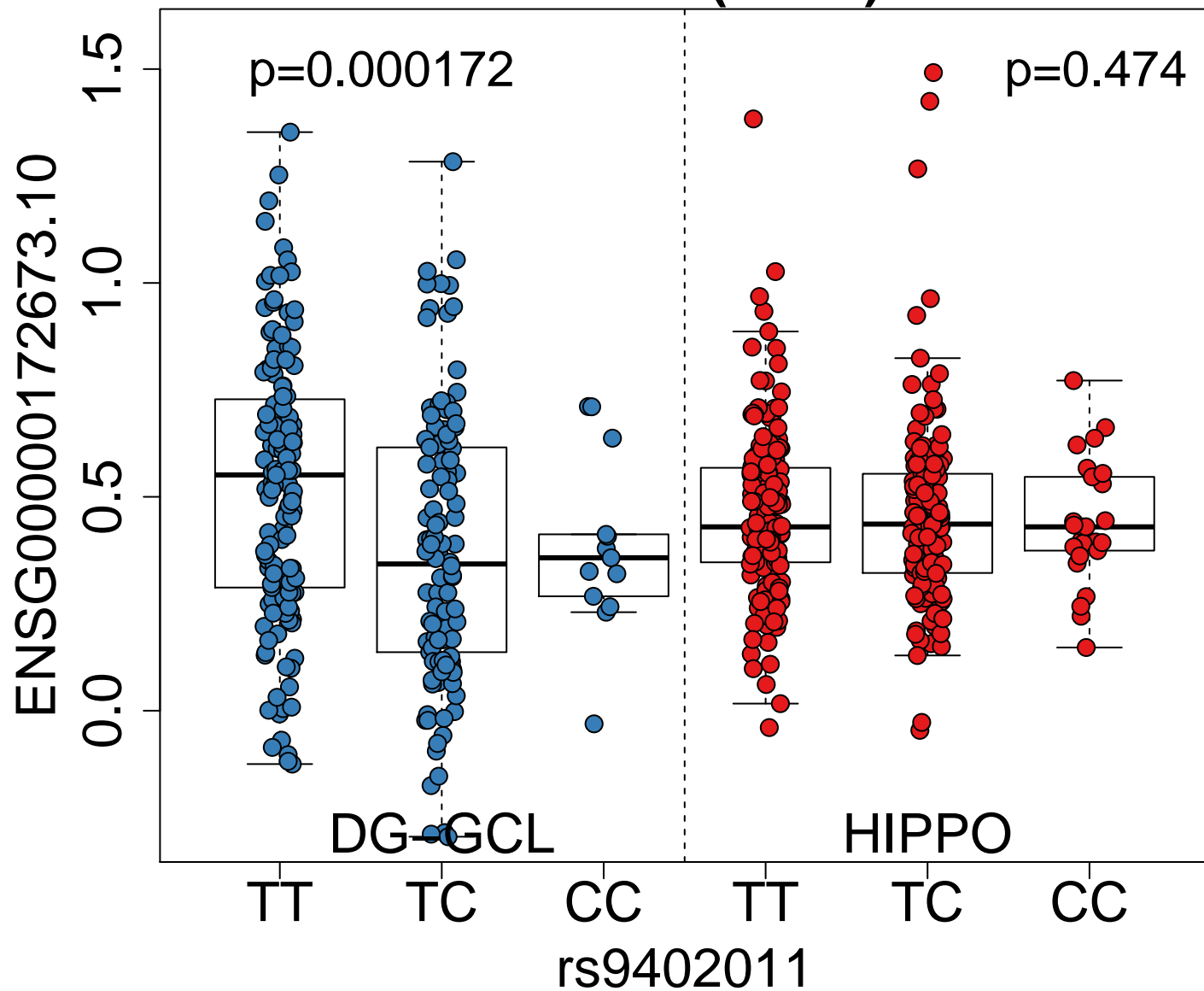
Index: rs35736453 ($R^2=0.938$)

THEMIS (Gene)



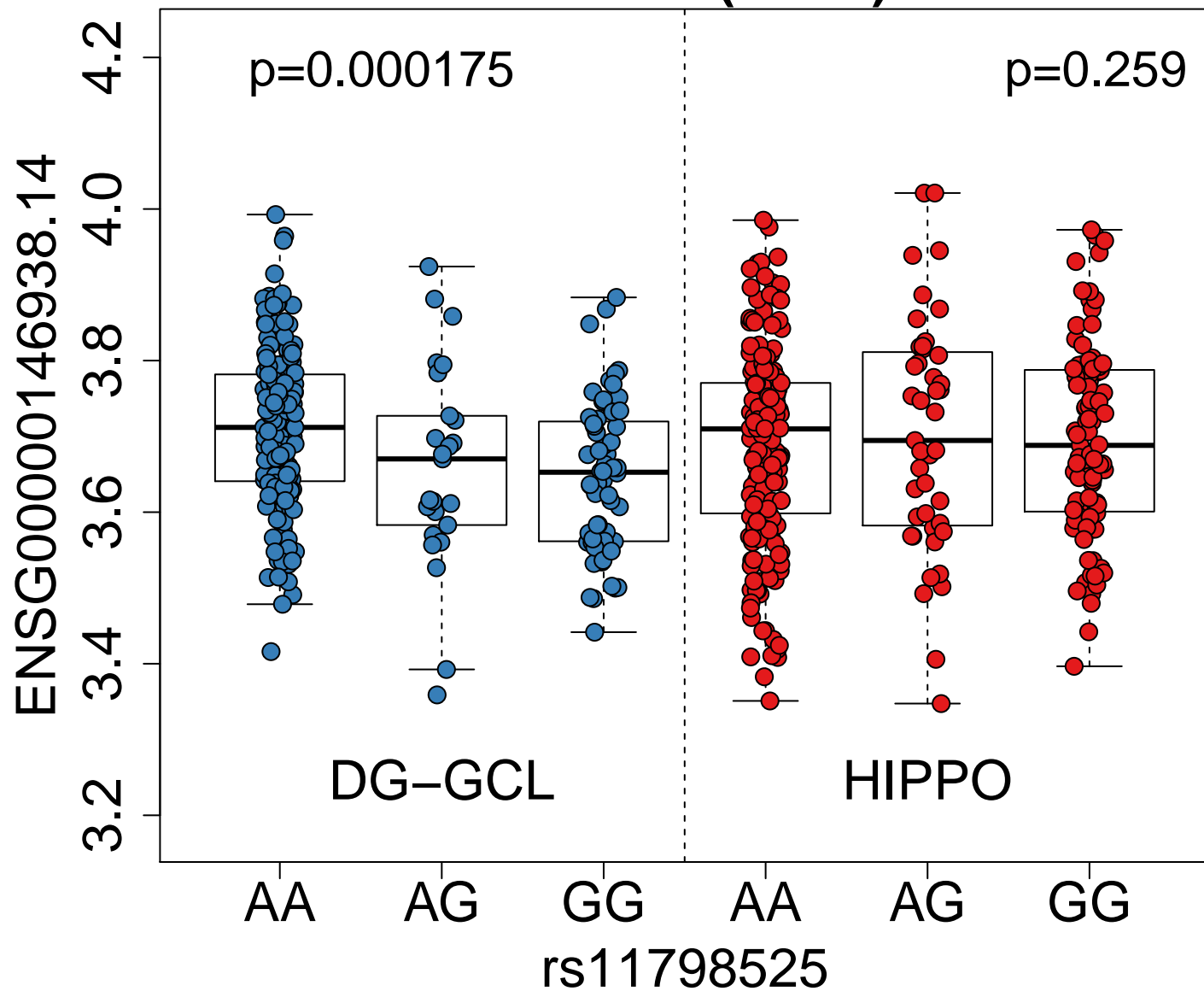
Index: rs35736453 ($R^2=0.934$)

THEMIS (Gene)



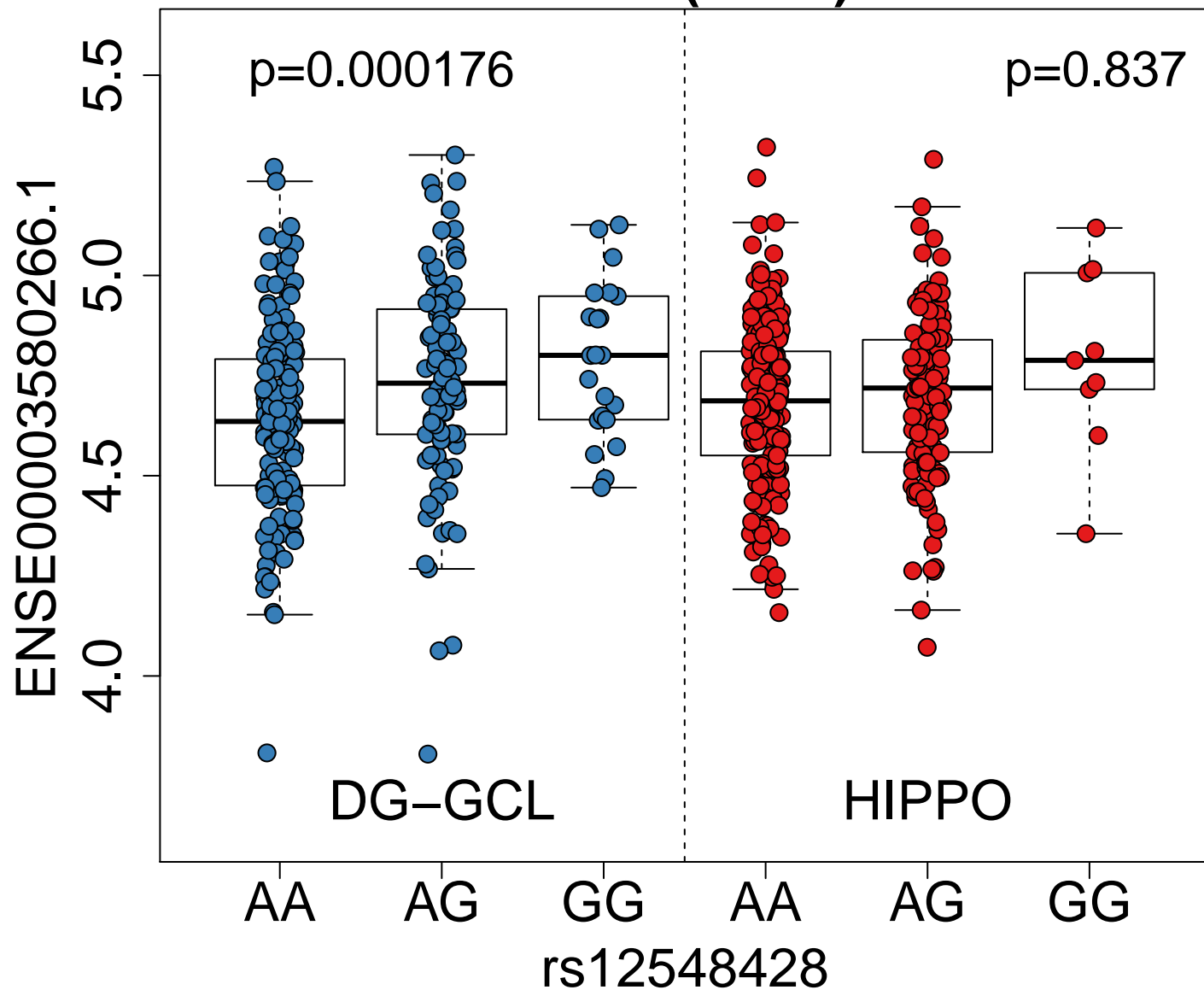
Index: rs12009217 ($R^2=0.956$)

NLGN4X (Gene)



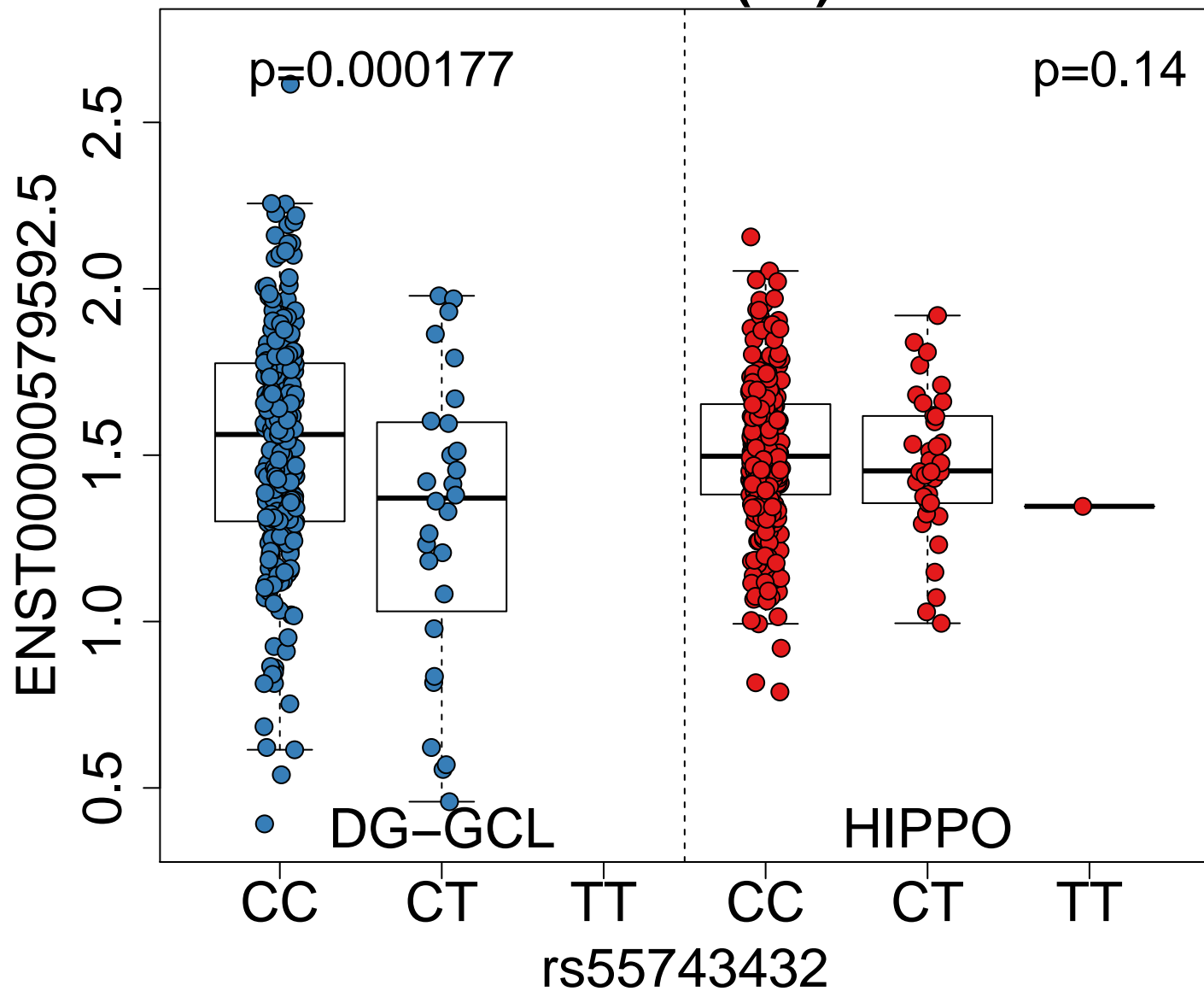
Index: rs11993663 ($R^2=0.926$)

TNKS (Exon)



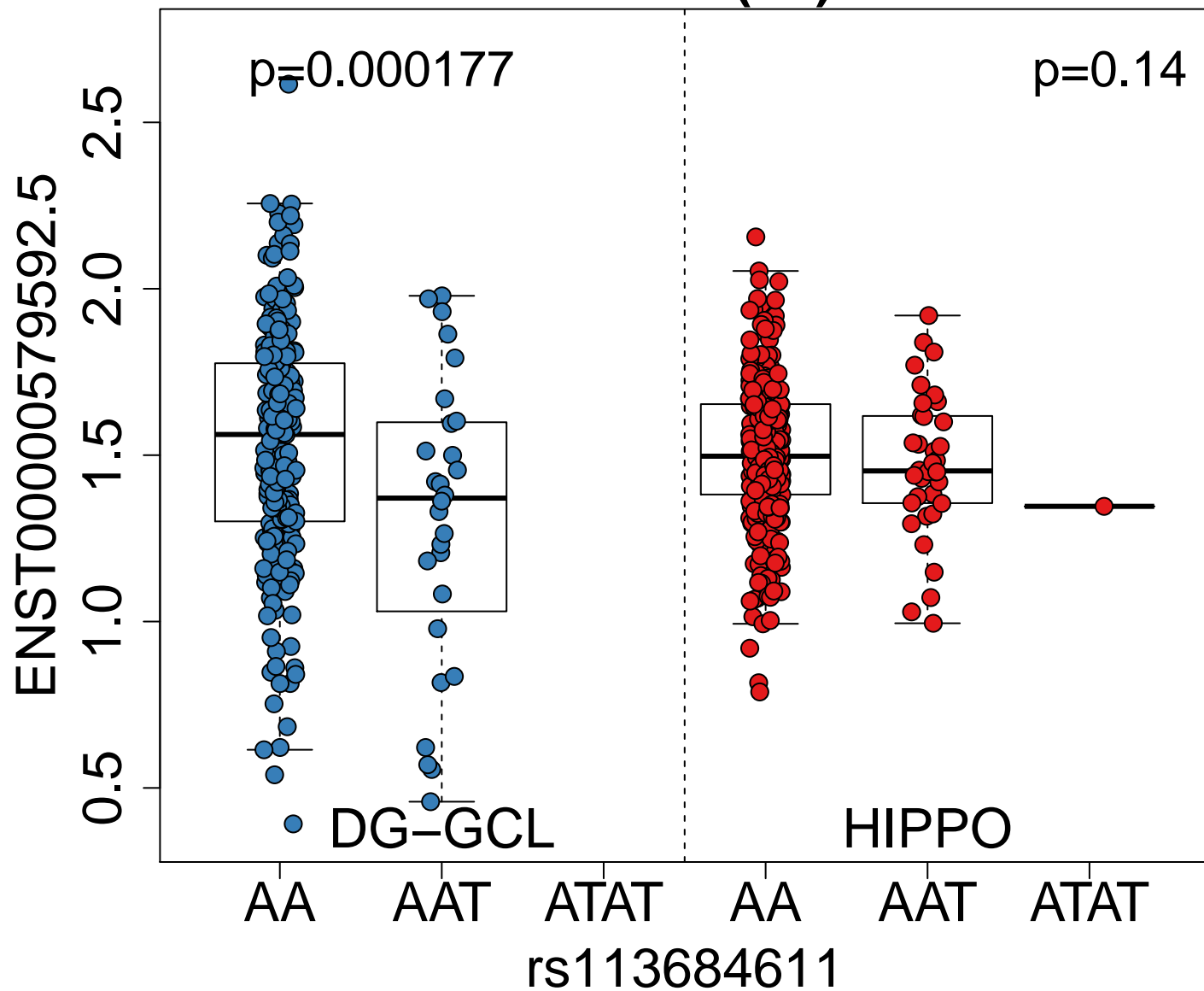
Index: rs147922658 ($R^2=1$)

DMTF1 (Tx)



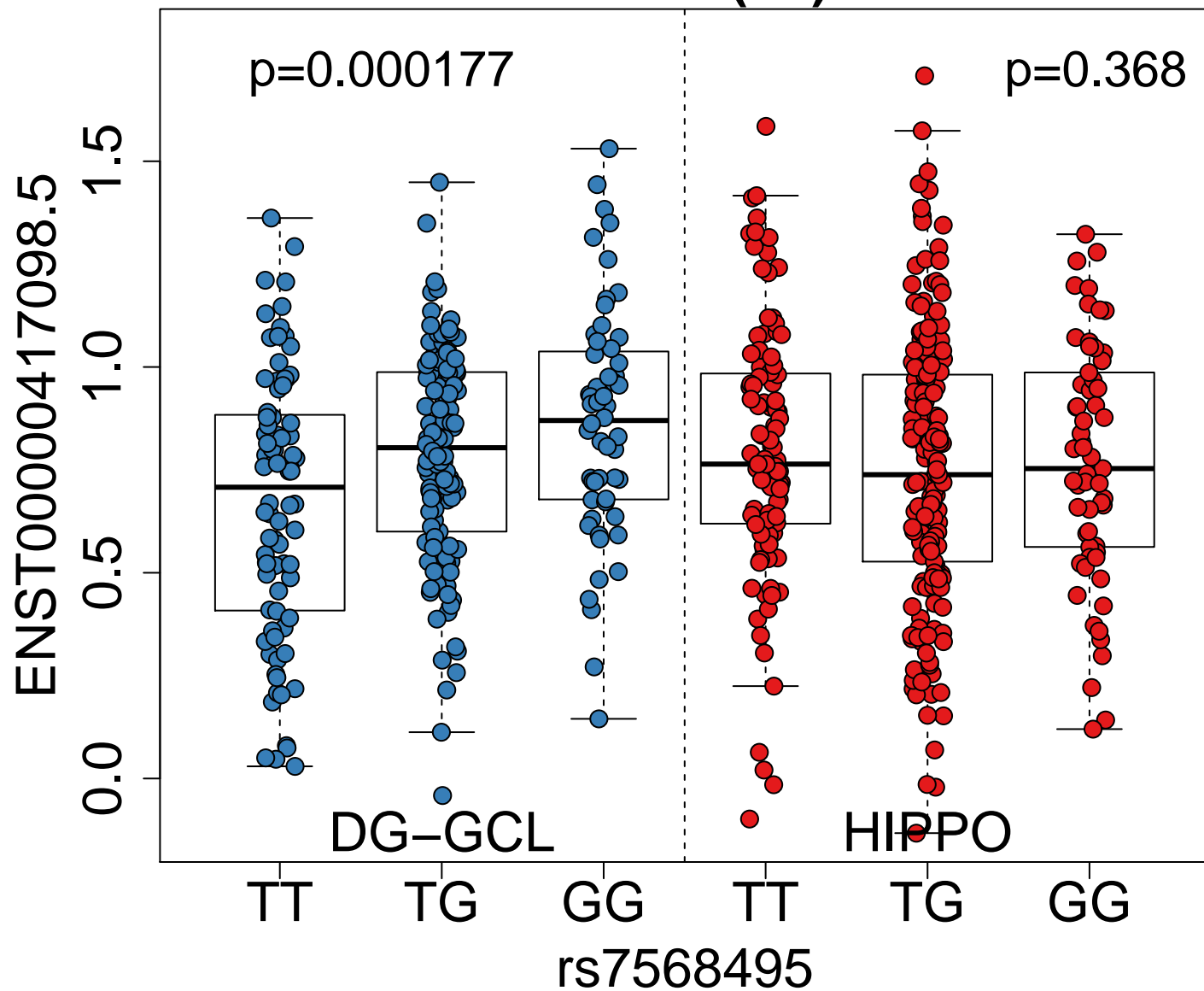
Index: rs147922658 ($R^2=1$)

DMTF1 (Tx)



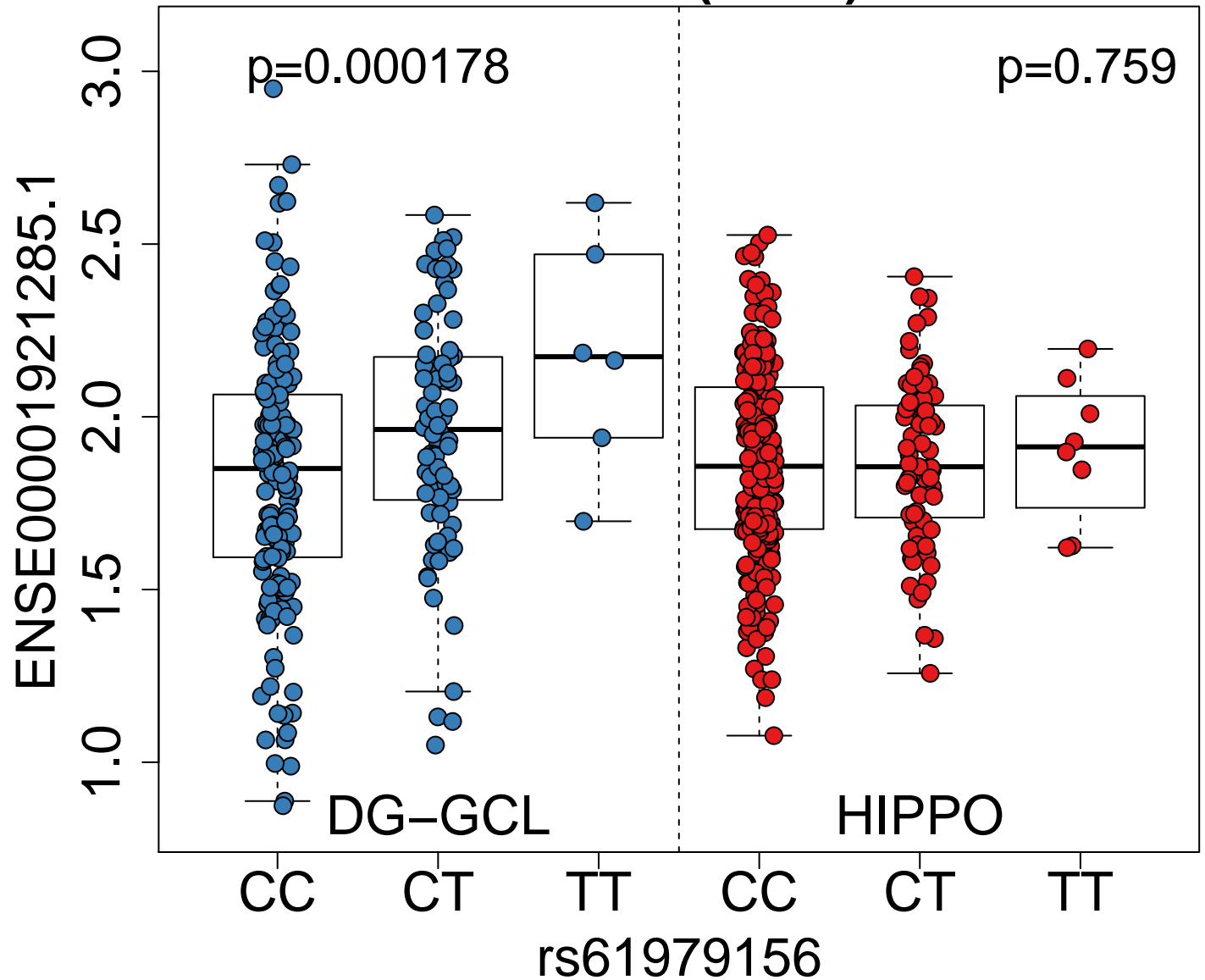
Index: rs1451488 ($R^2=0.911$)

SATB2 (Tx)

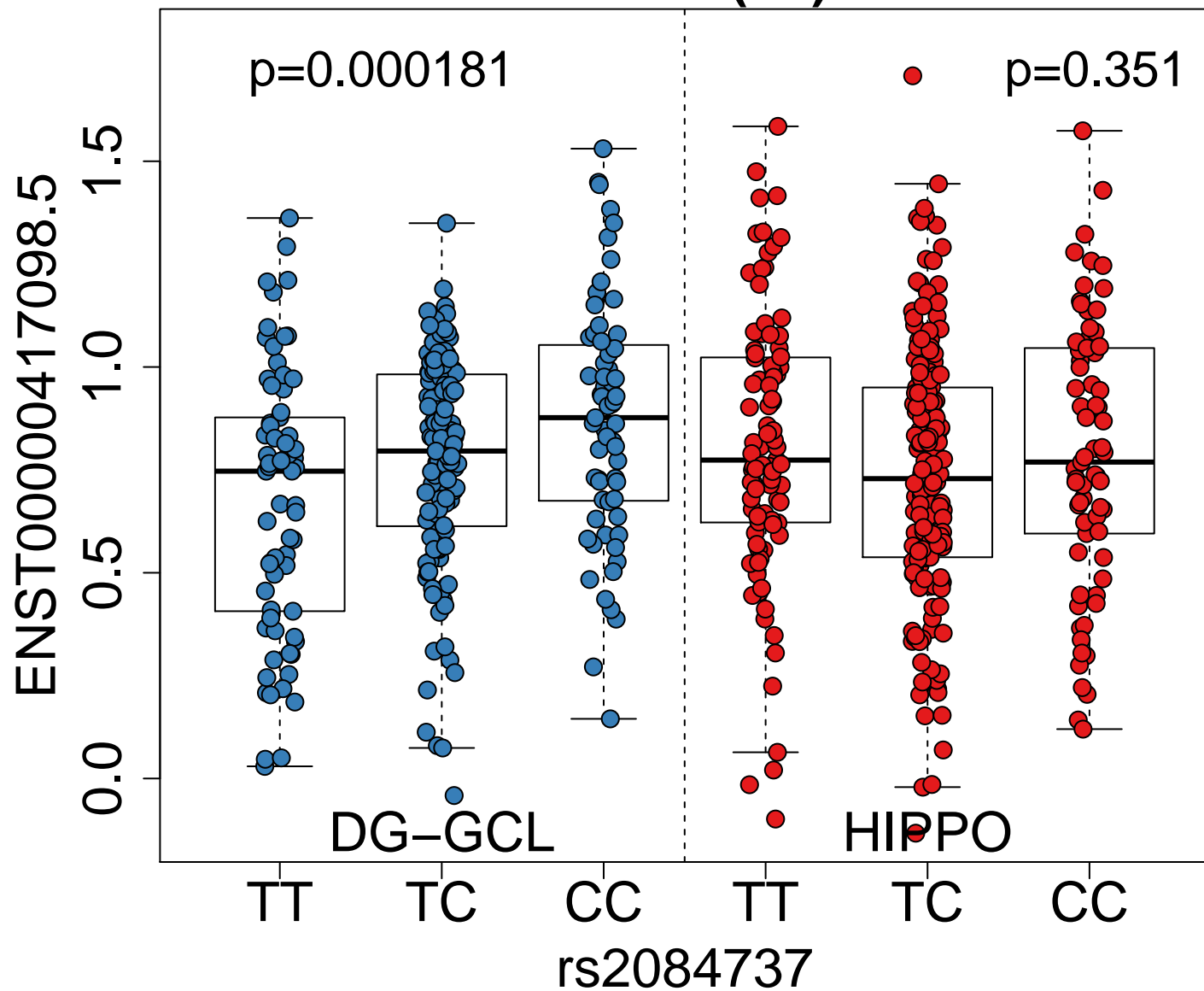


Index: rs1191551 ($R^2=0.85$)

PRKD1 (Exon)

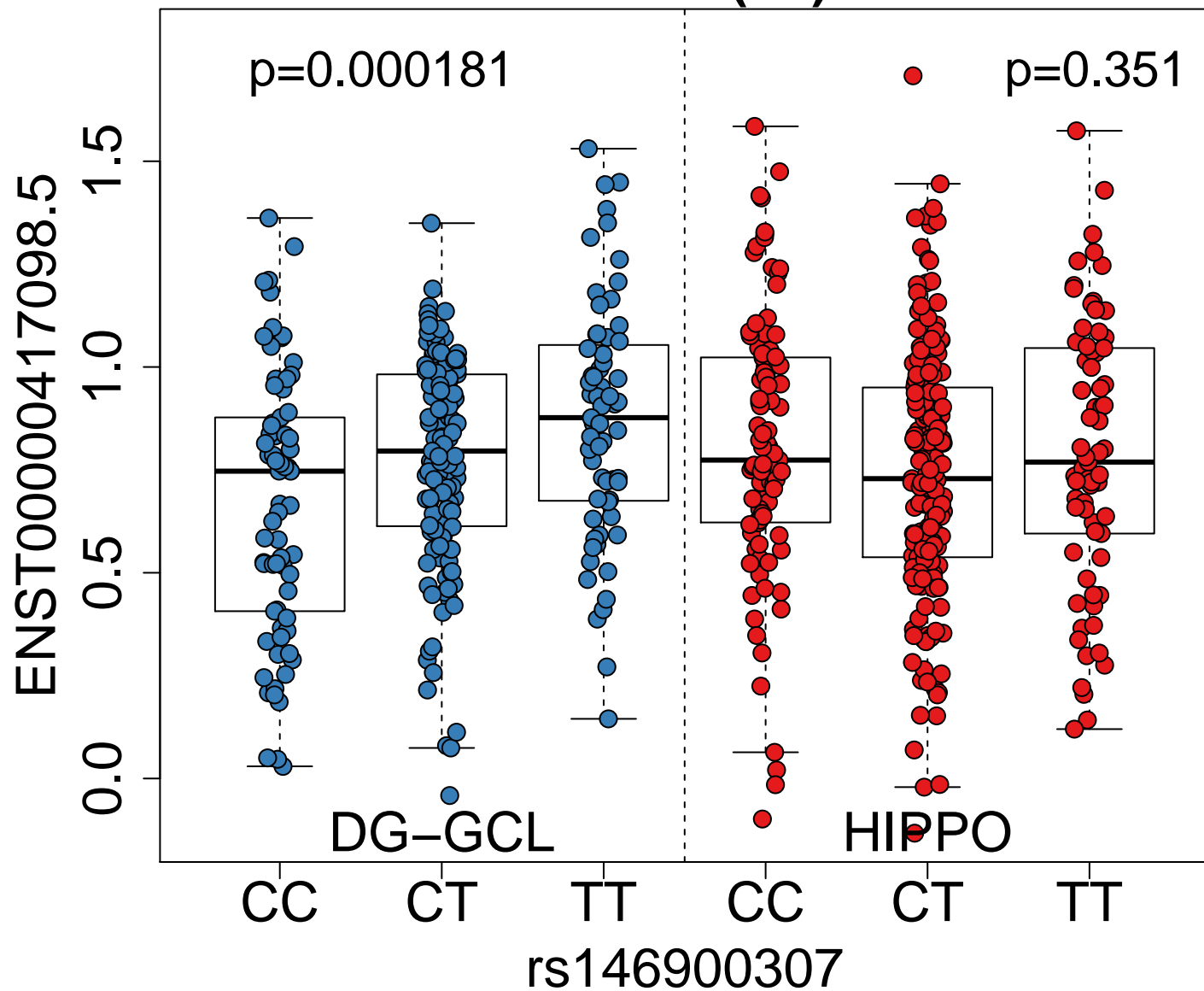


Index: rs1451488 ($R^2=0.907$)
SATB2 (Tx)

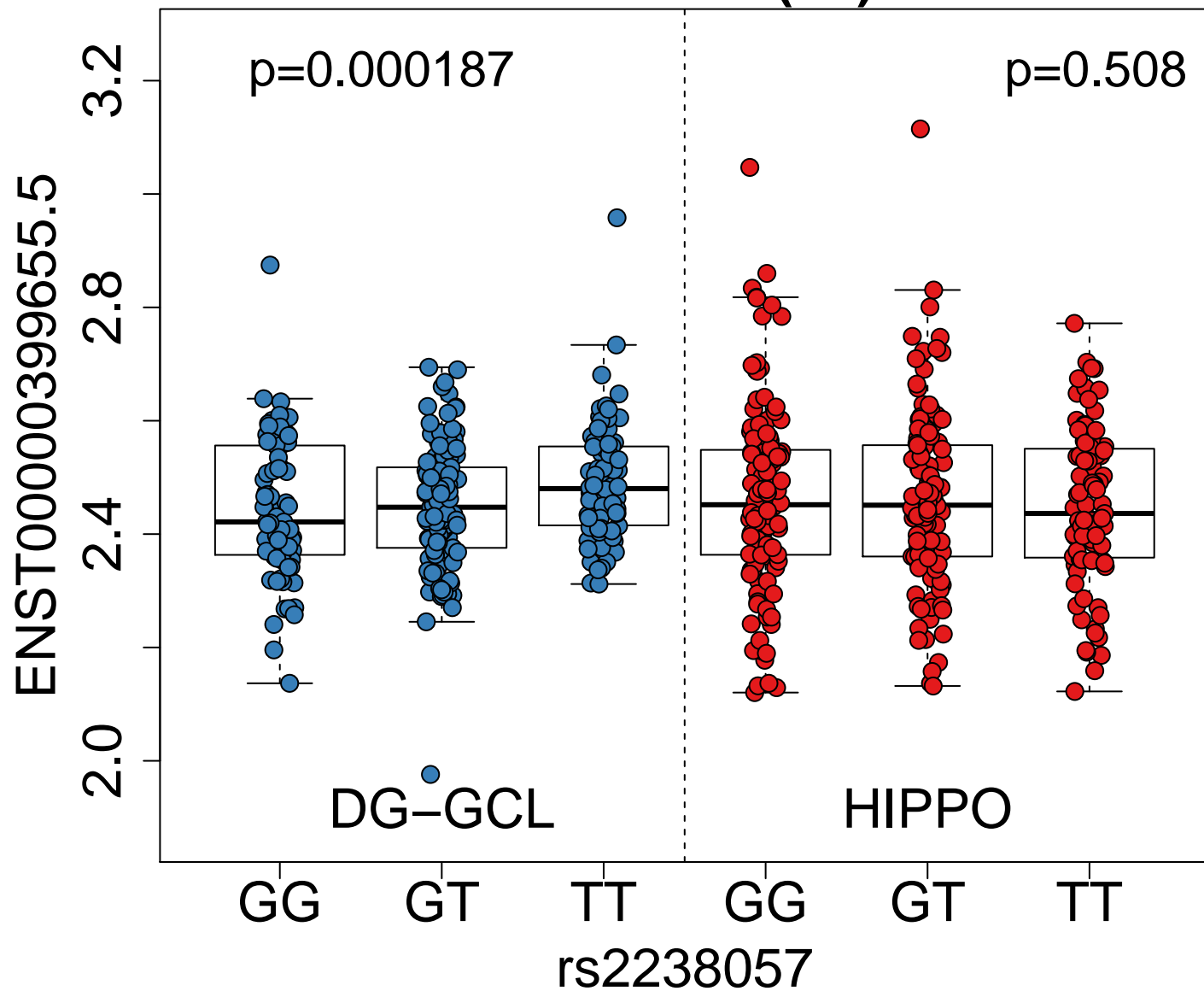


Index: rs1451488 ($R^2=0.907$)

SATB2 (Tx)



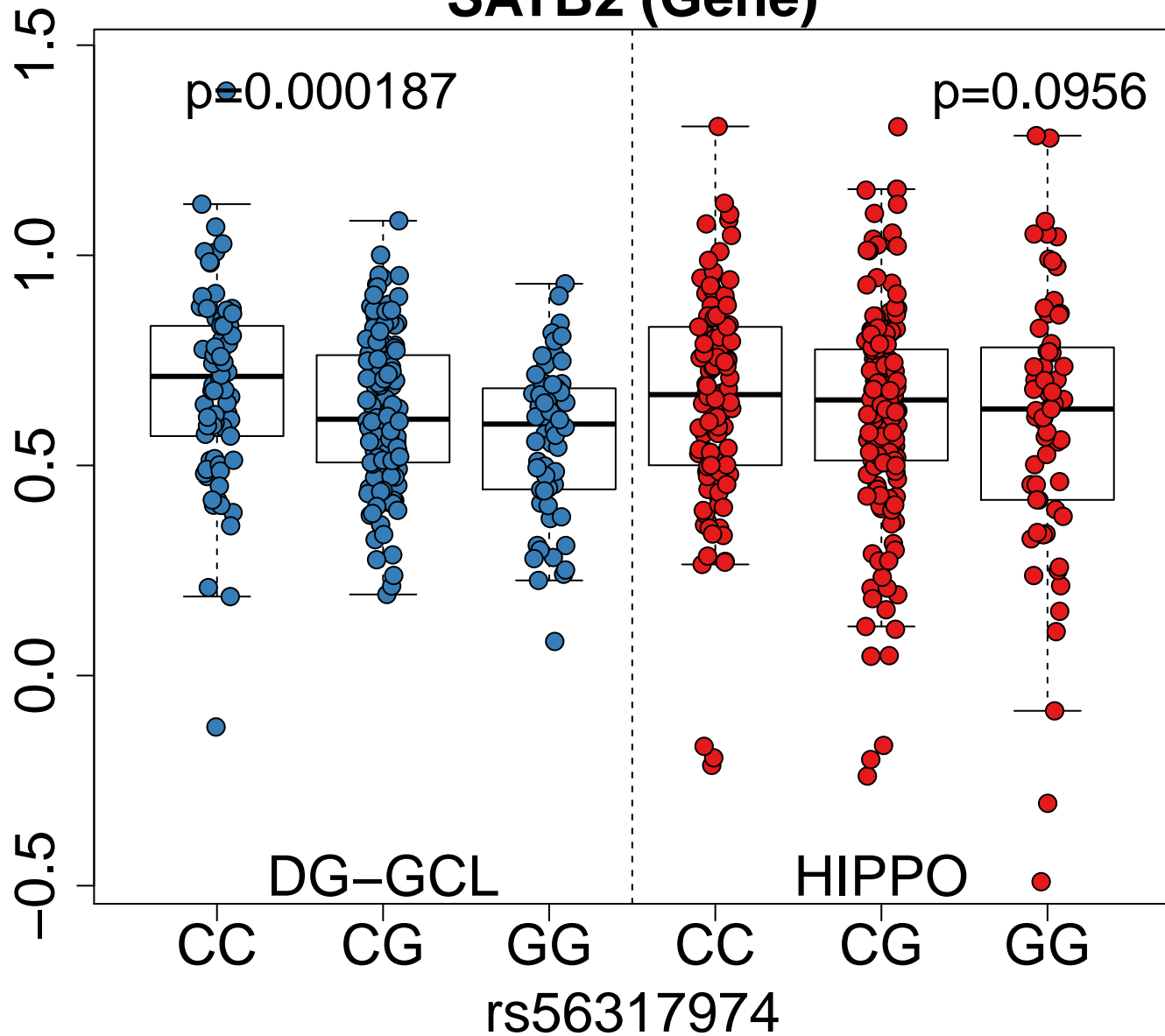
Index: rs2007044 ($R^2=0.862$)
CACNA1C (Tx)



Index: rs1451488 ($R^2=0.838$)

SATB2 (Gene)

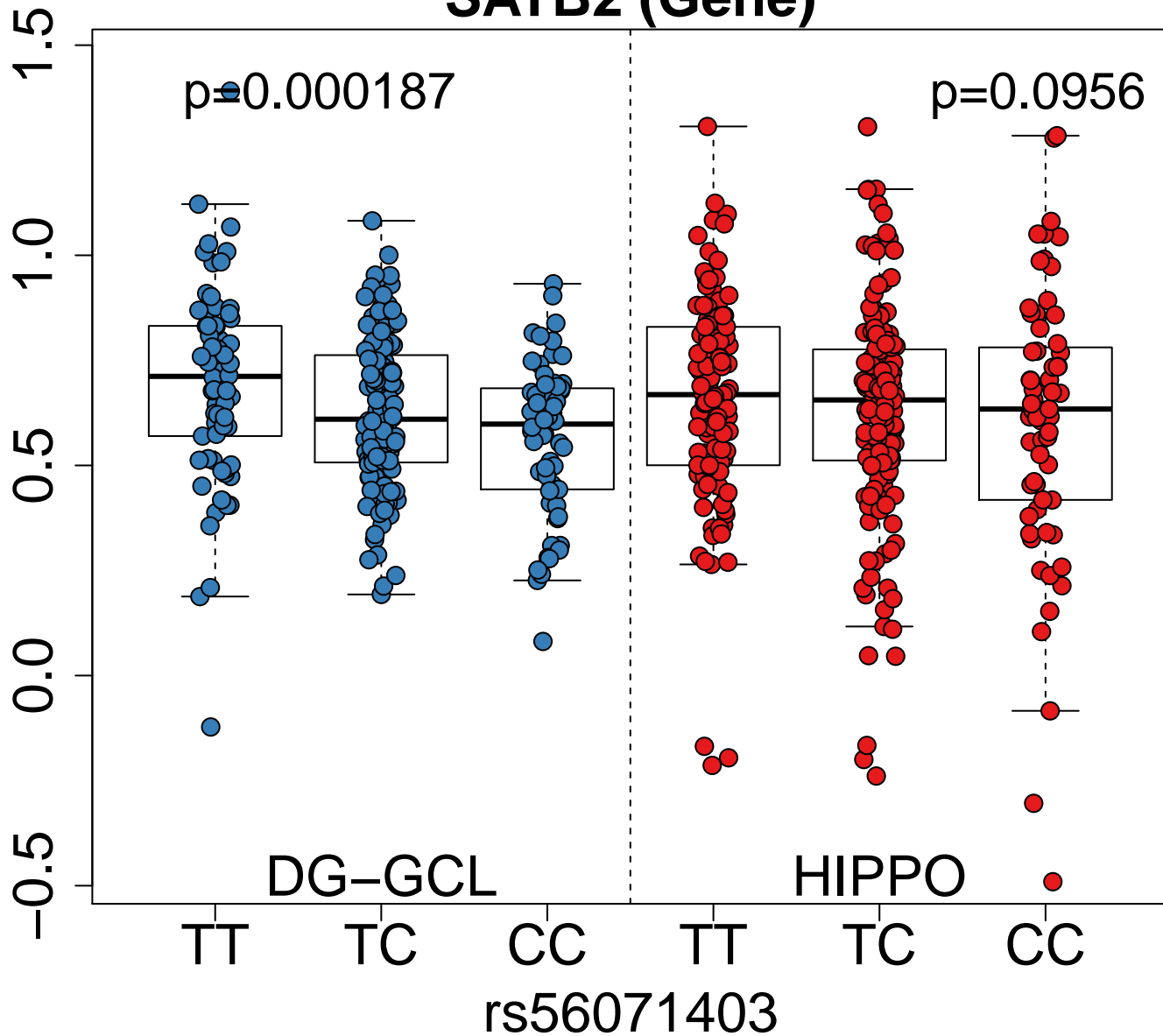
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

SATB2 (Gene)

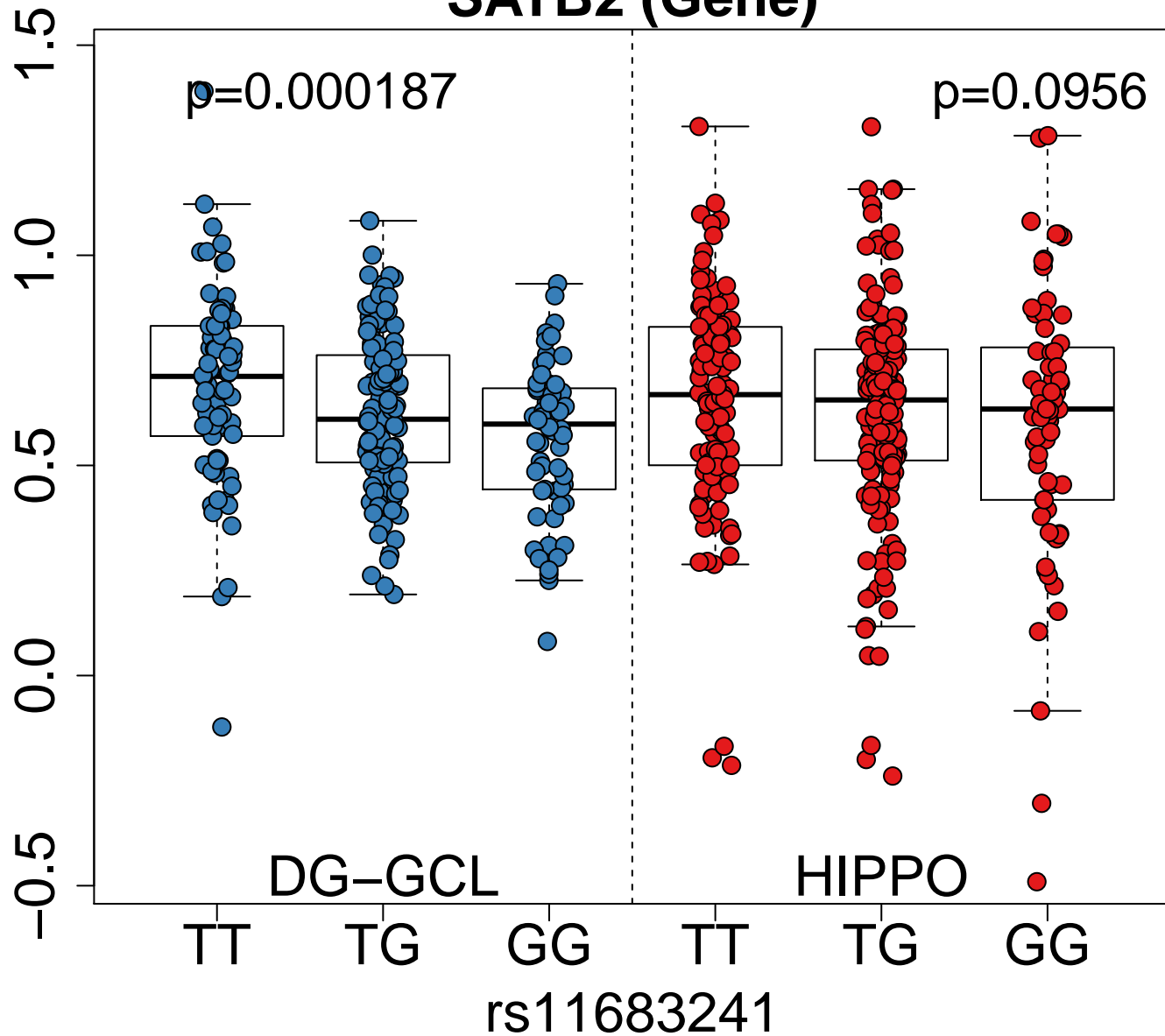
ENSG00000119042.16



Index: rs1451488 ($R^2=0.835$)

SATB2 (Gene)

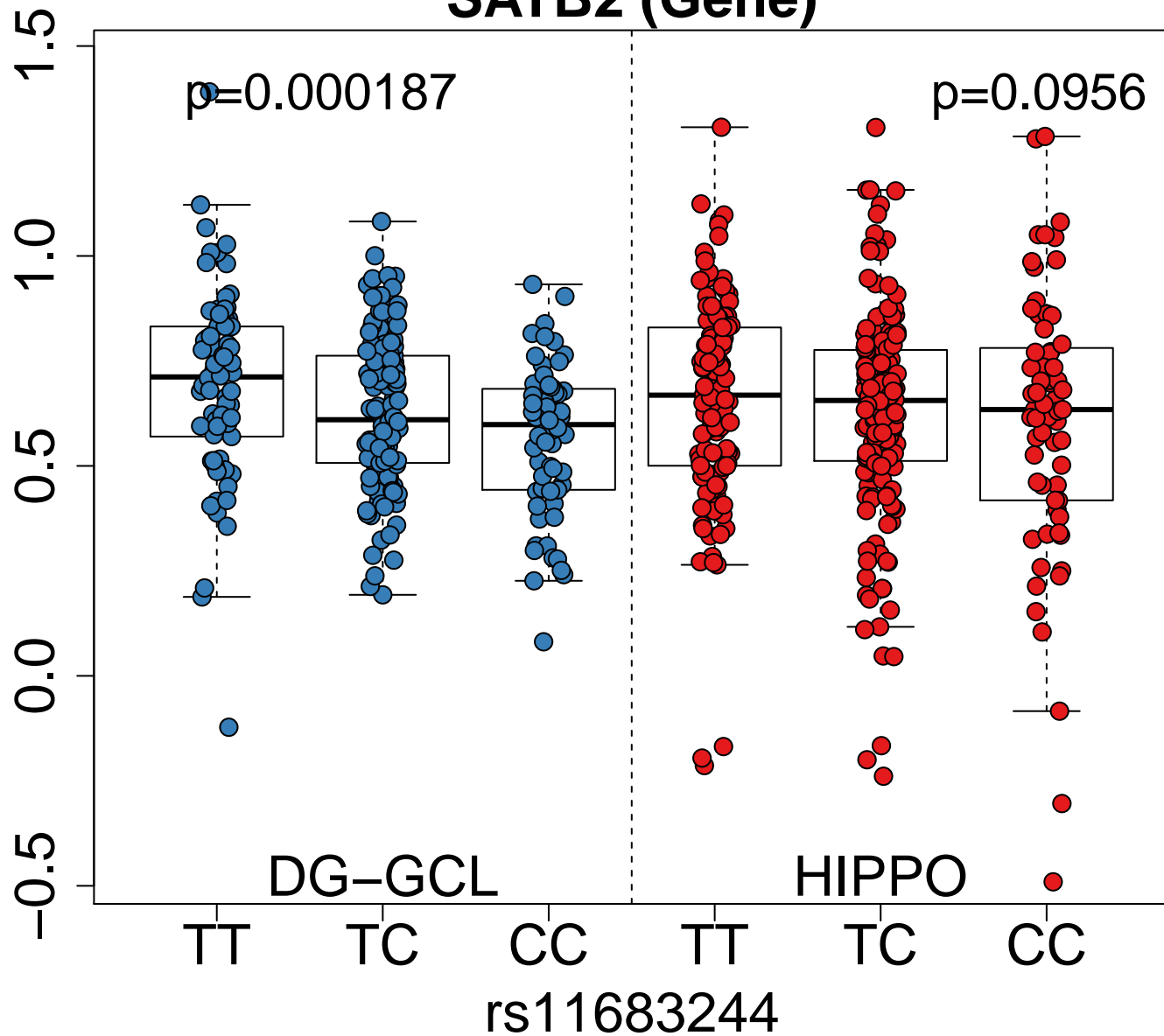
ENSG00000119042.16



Index: rs1451488 ($R^2=0.835$)

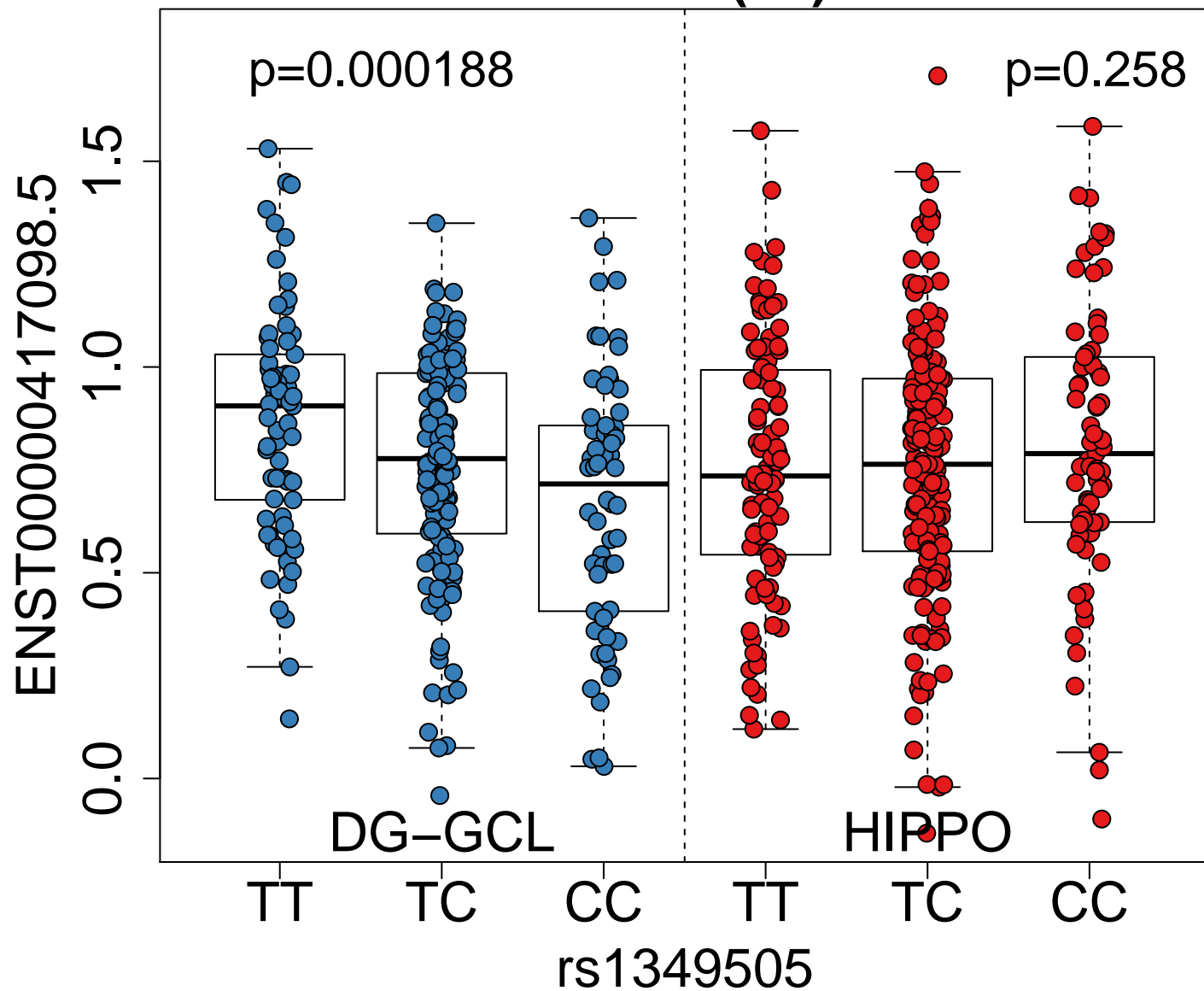
SATB2 (Gene)

ENSG00000119042.16



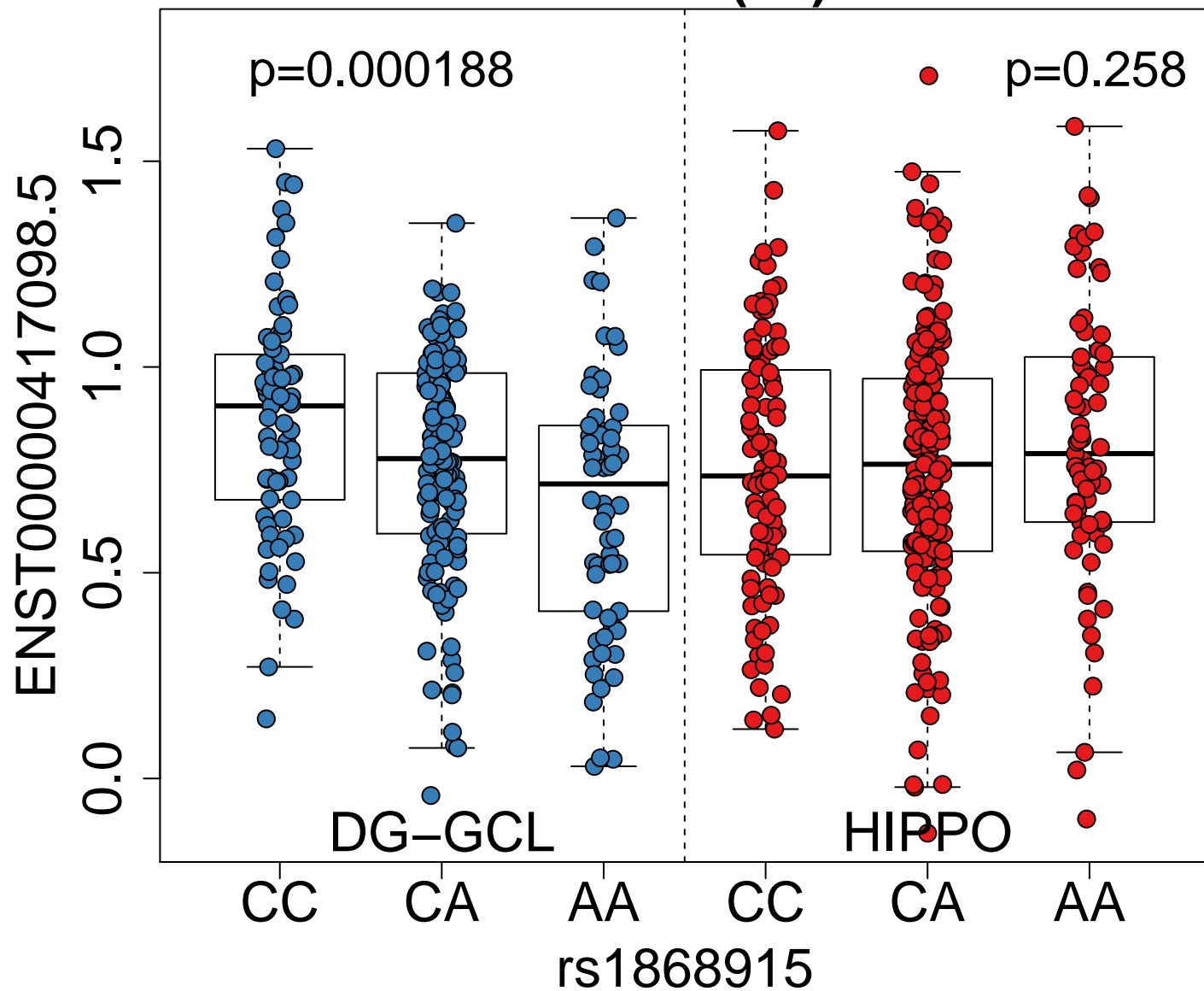
Index: rs1451488 ($R^2=0.88$)

SATB2 (Tx)

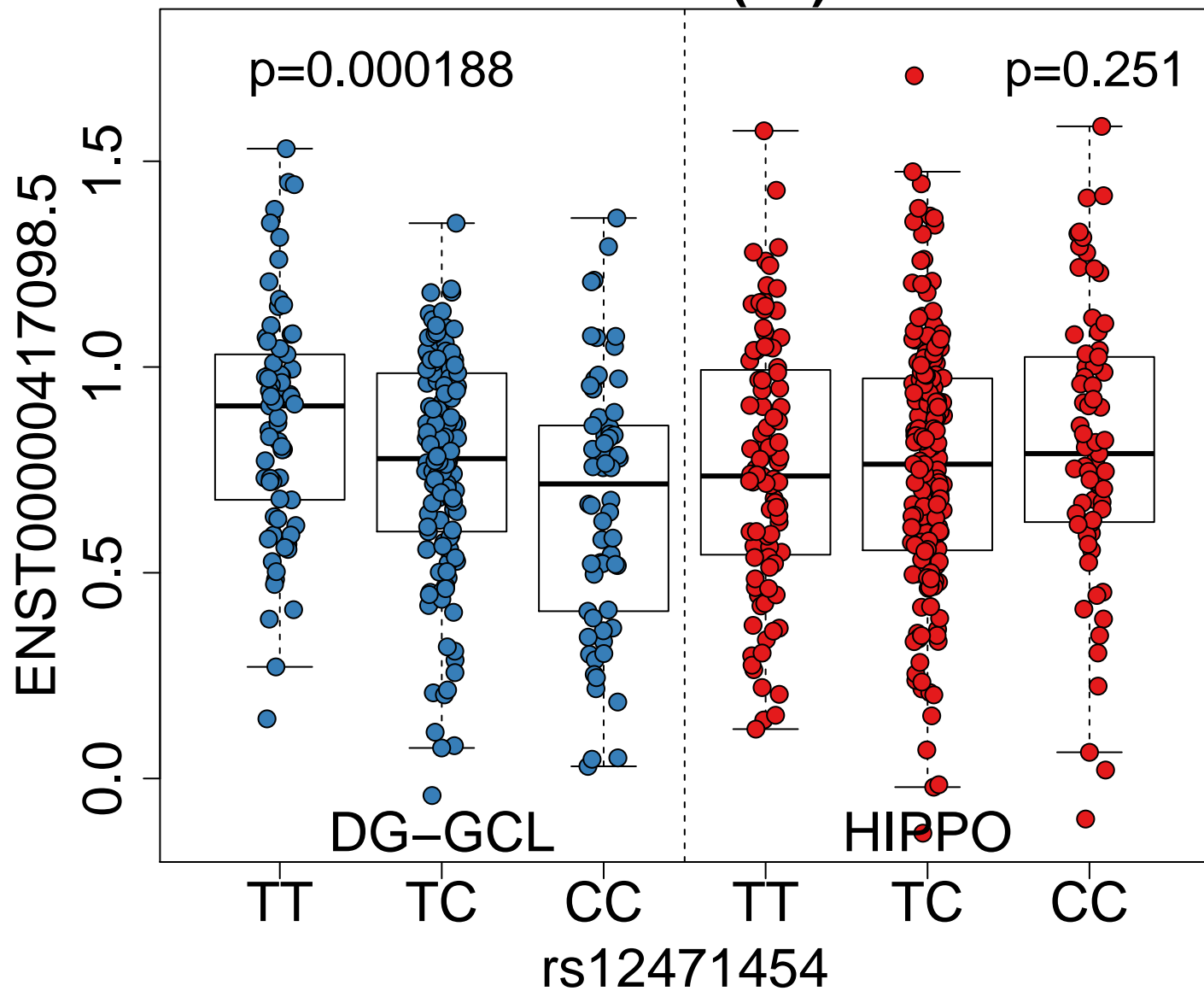


Index: rs1451488 ($R^2=0.88$)

SATB2 (Tx)

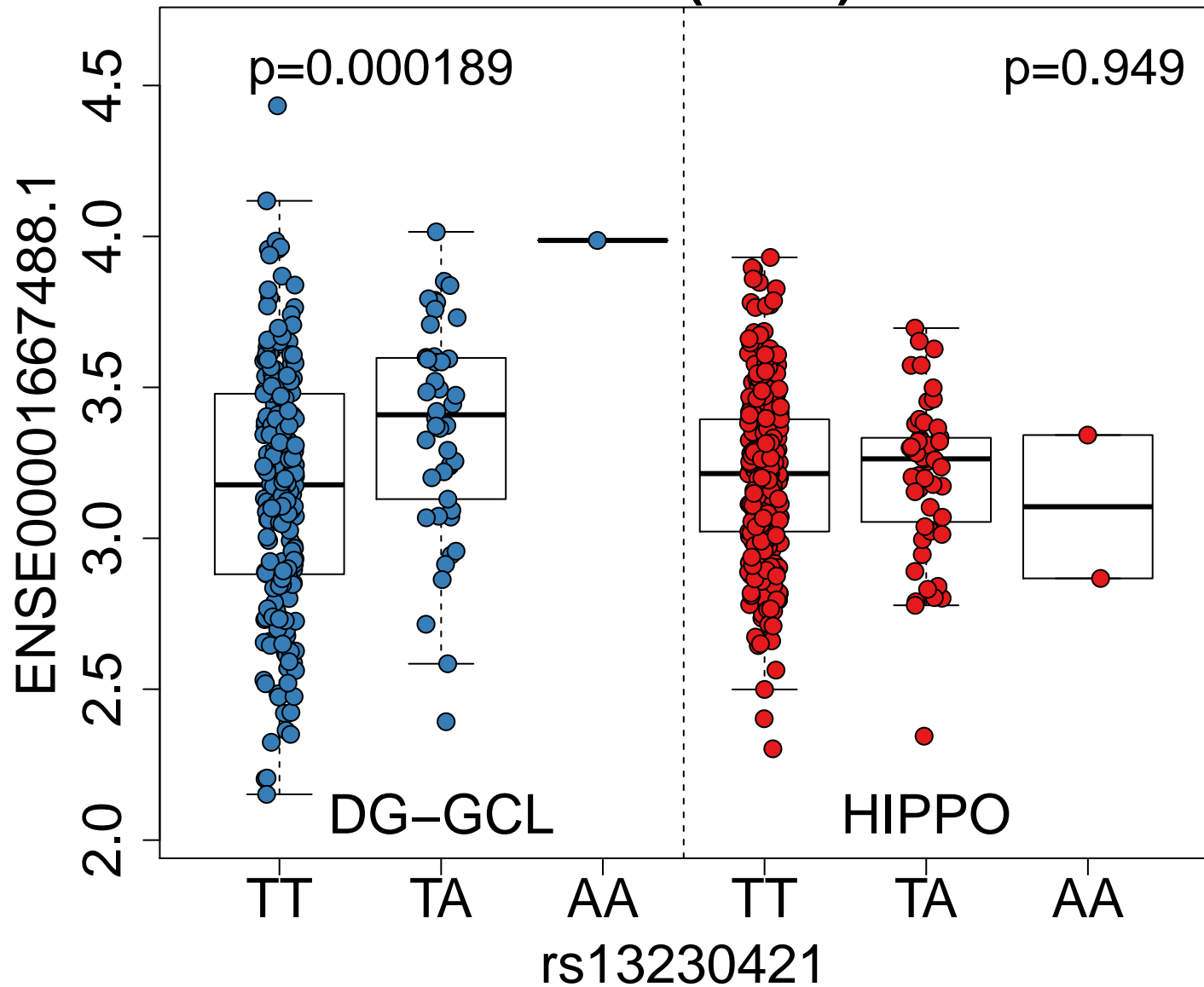


Index: rs1451488 ($R^2=0.871$)
SATB2 (Tx)



Index: rs12704290 ($R^2=0.968$)

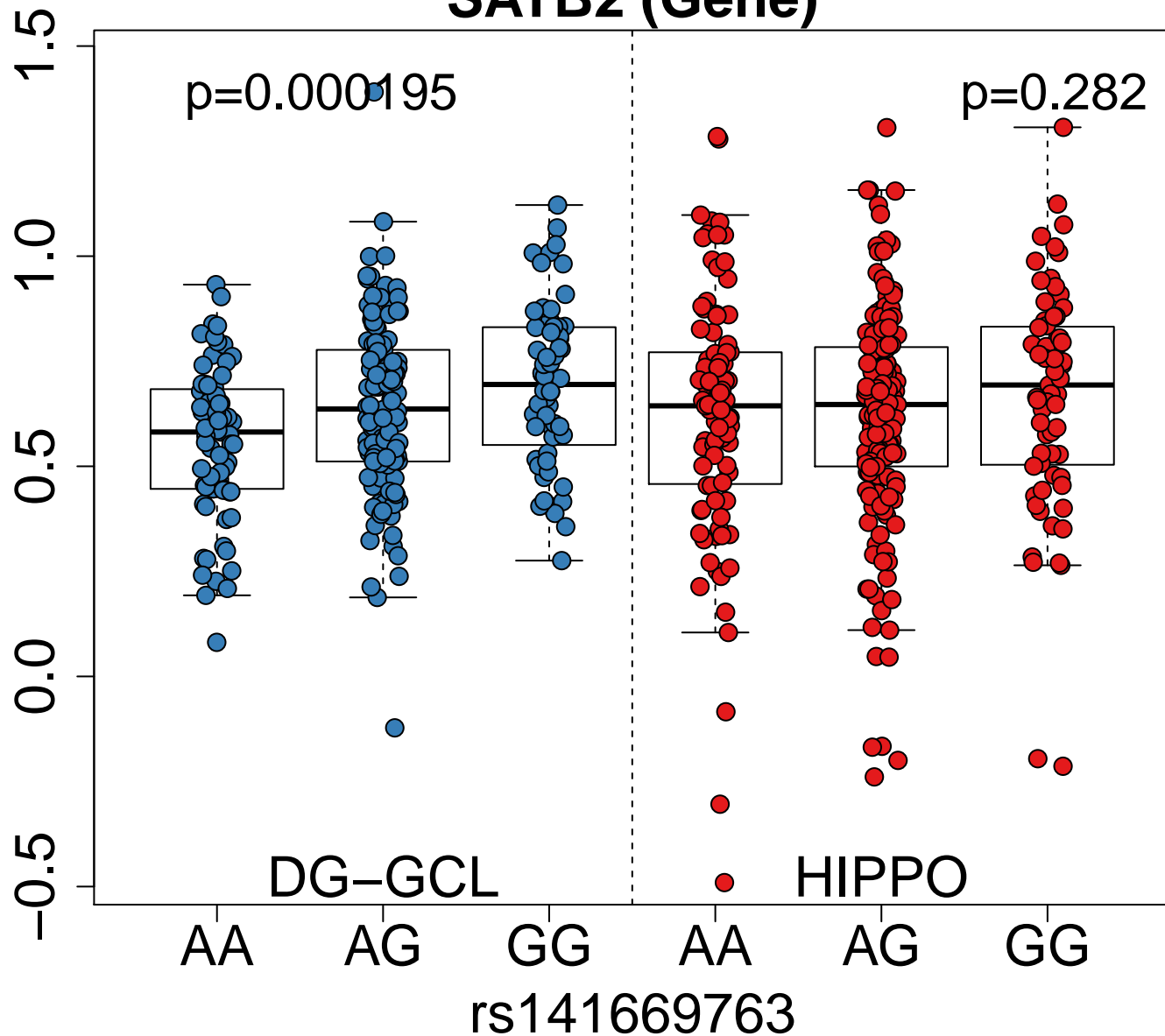
GRM3 (Exon)



Index: rs1451488 ($R^2=0.903$)

SATB2 (Gene)

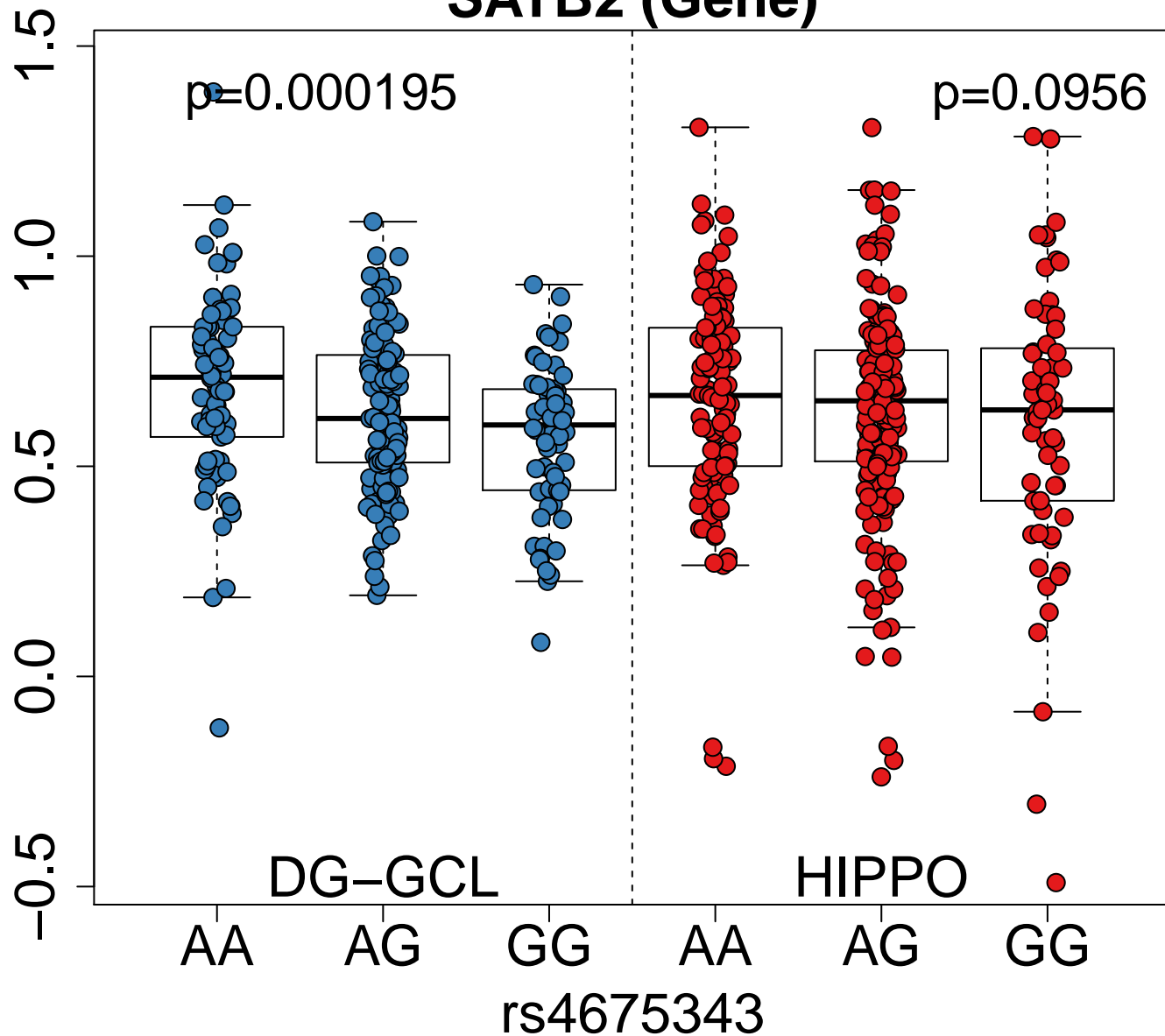
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

SATB2 (Gene)

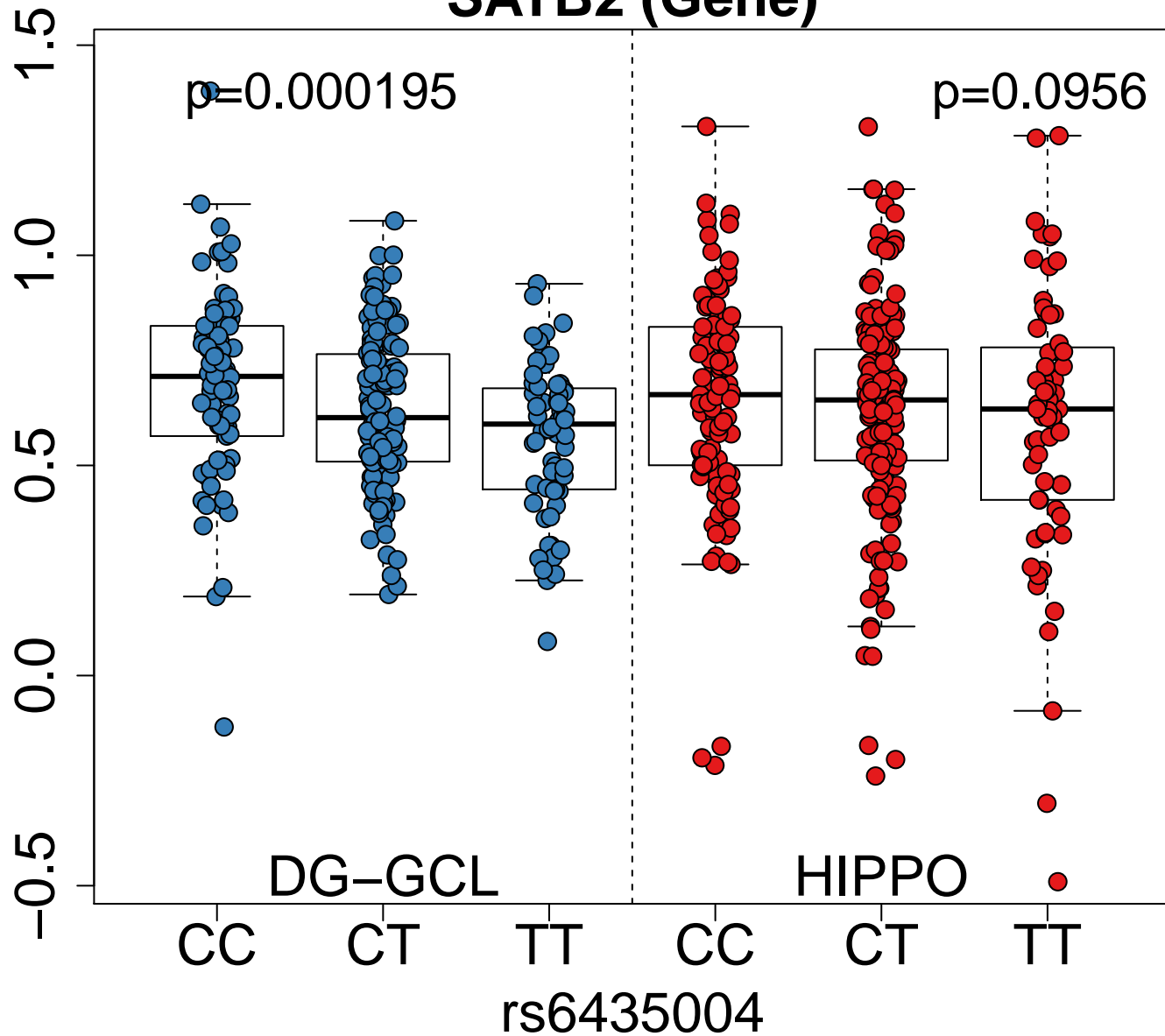
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

SATB2 (Gene)

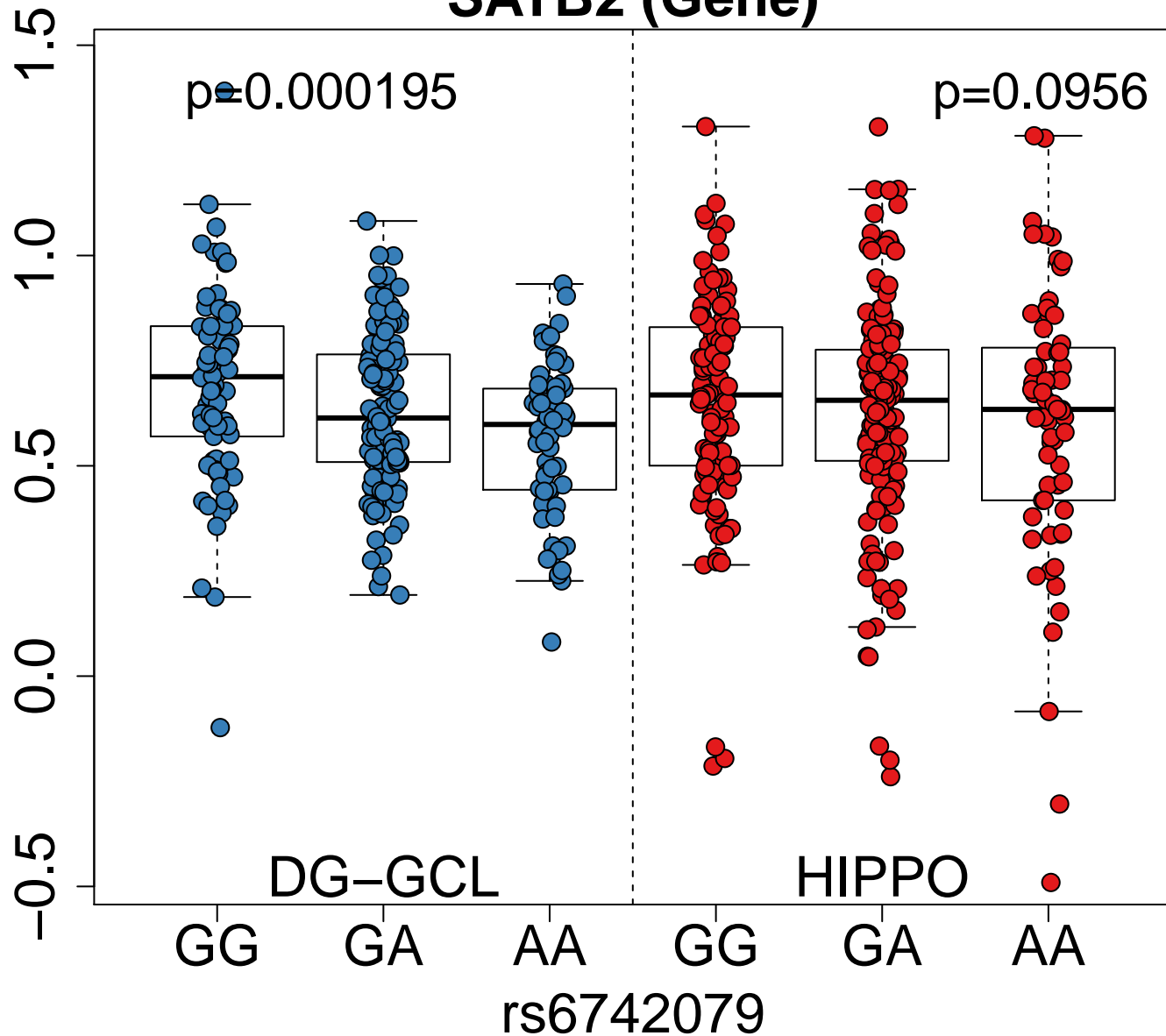
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

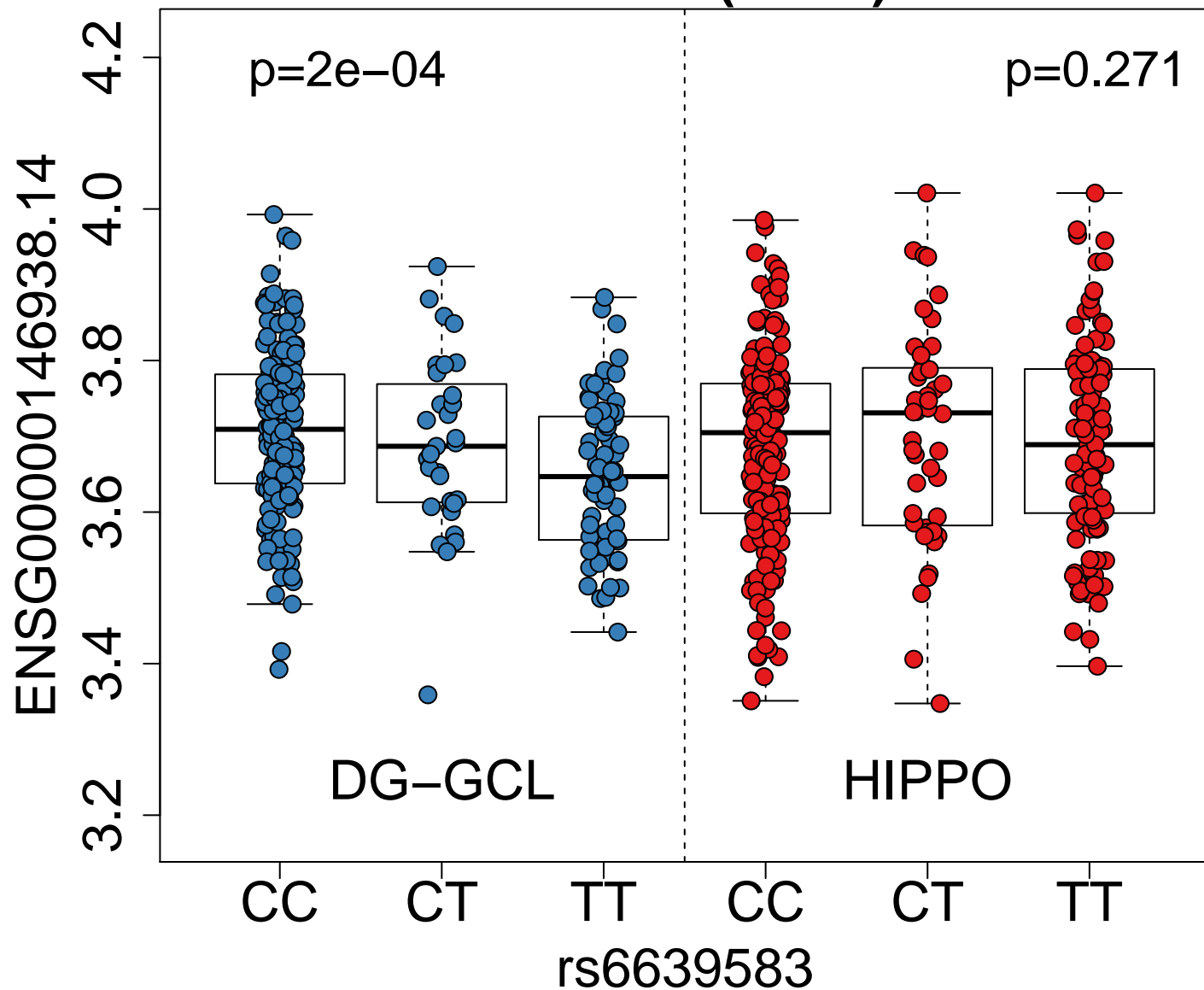
SATB2 (Gene)

ENSG00000119042.16



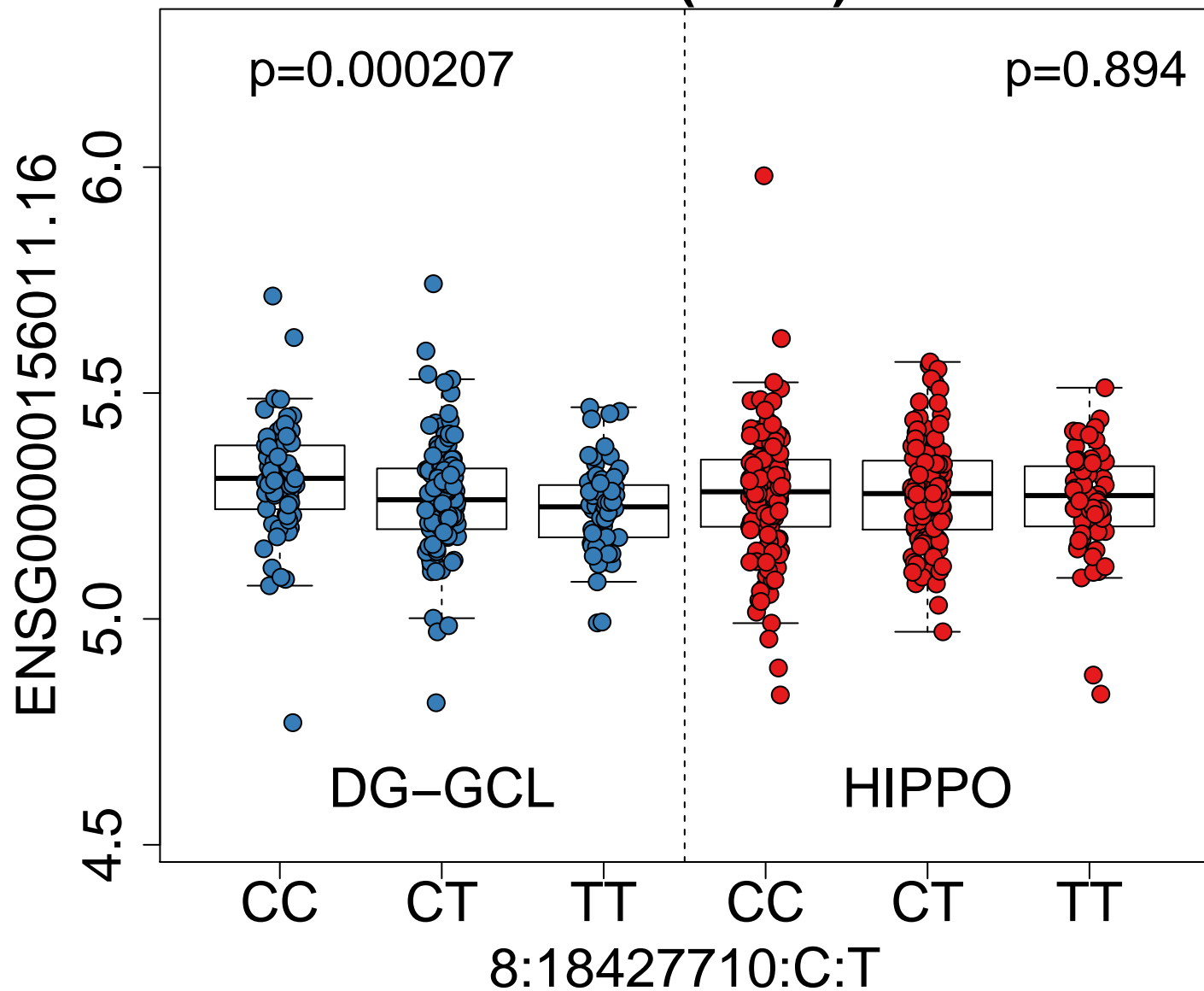
Index: rs12009217 ($R^2=0.809$)

NLGN4X (Gene)



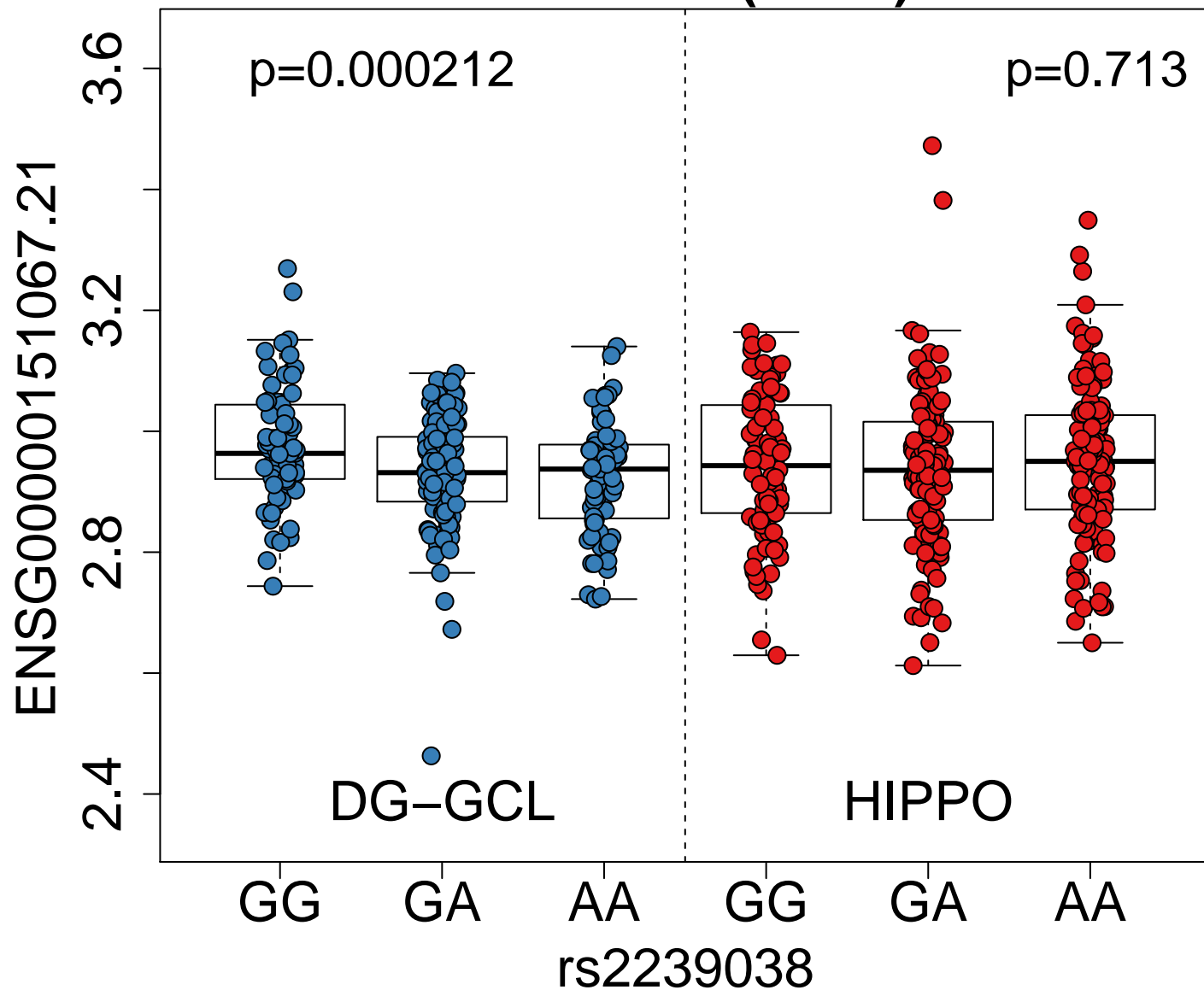
Index: rs2410572 ($R^2=0.828$)

PSD3 (Gene)



Index: rs2007044 ($R^2=0.873$)

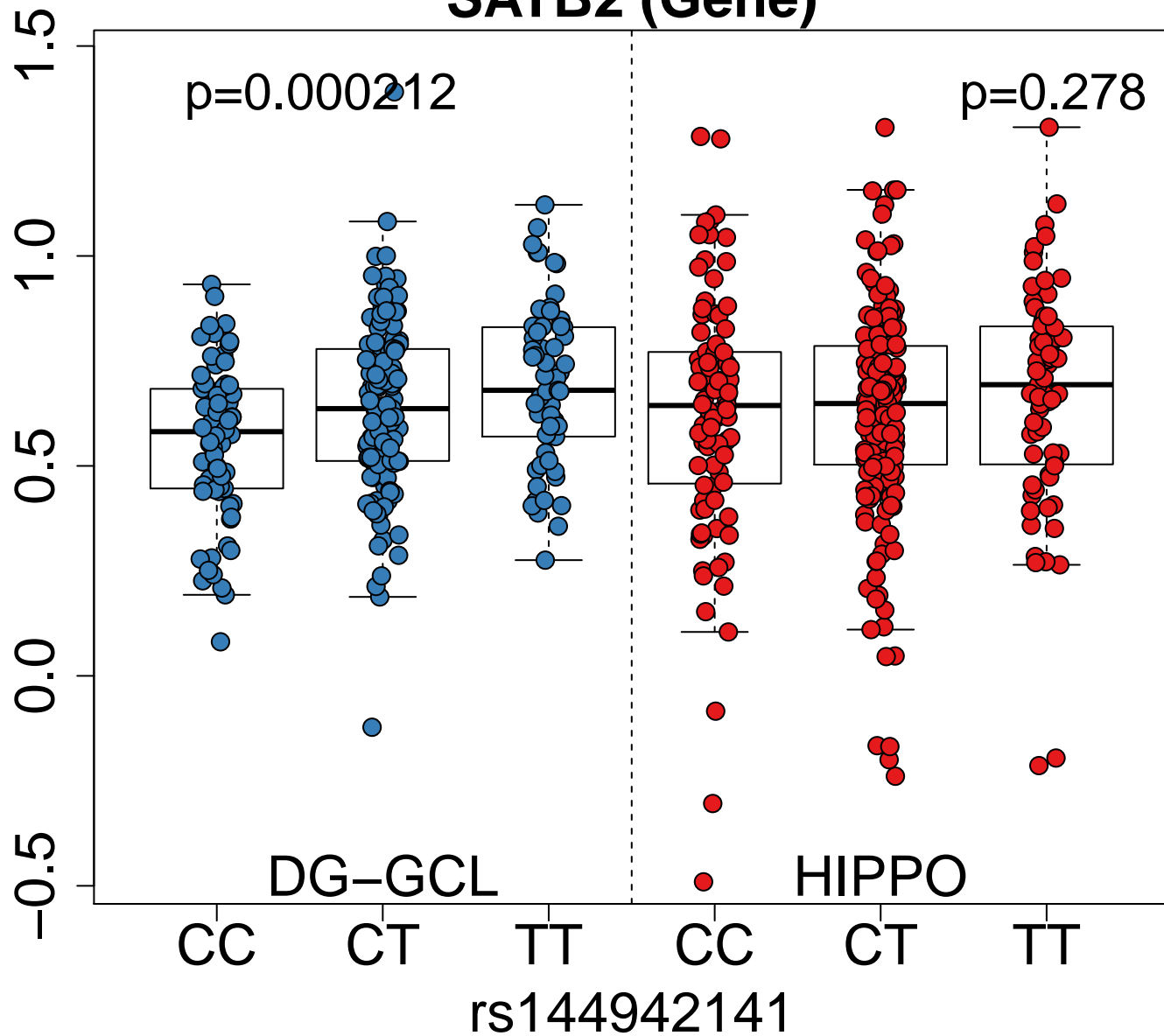
CACNA1C (Gene)



Index: rs1451488 ($R^2=0.907$)

SATB2 (Gene)

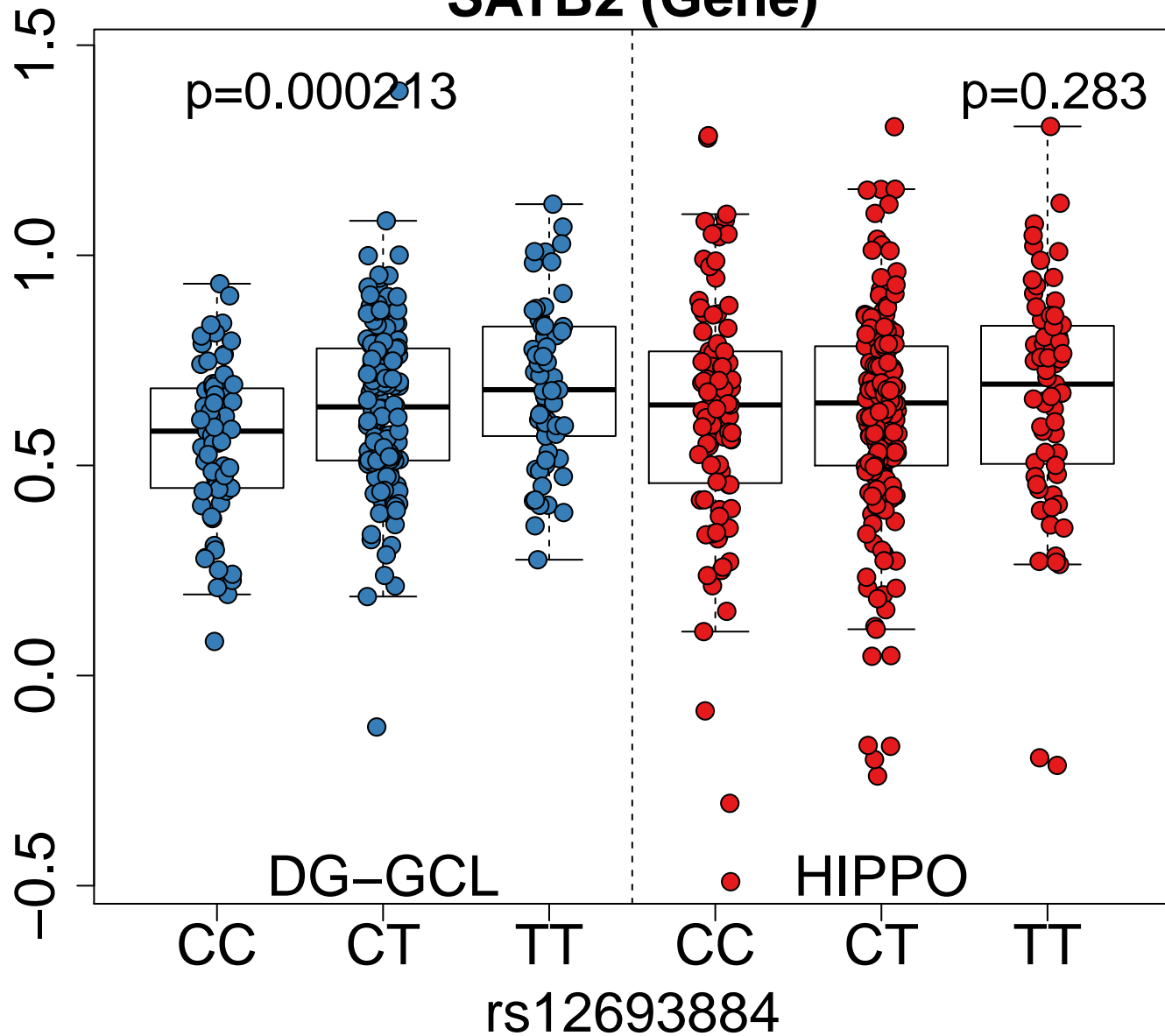
ENSG00000119042.16



Index: rs1451488 ($R^2=0.899$)

SATB2 (Gene)

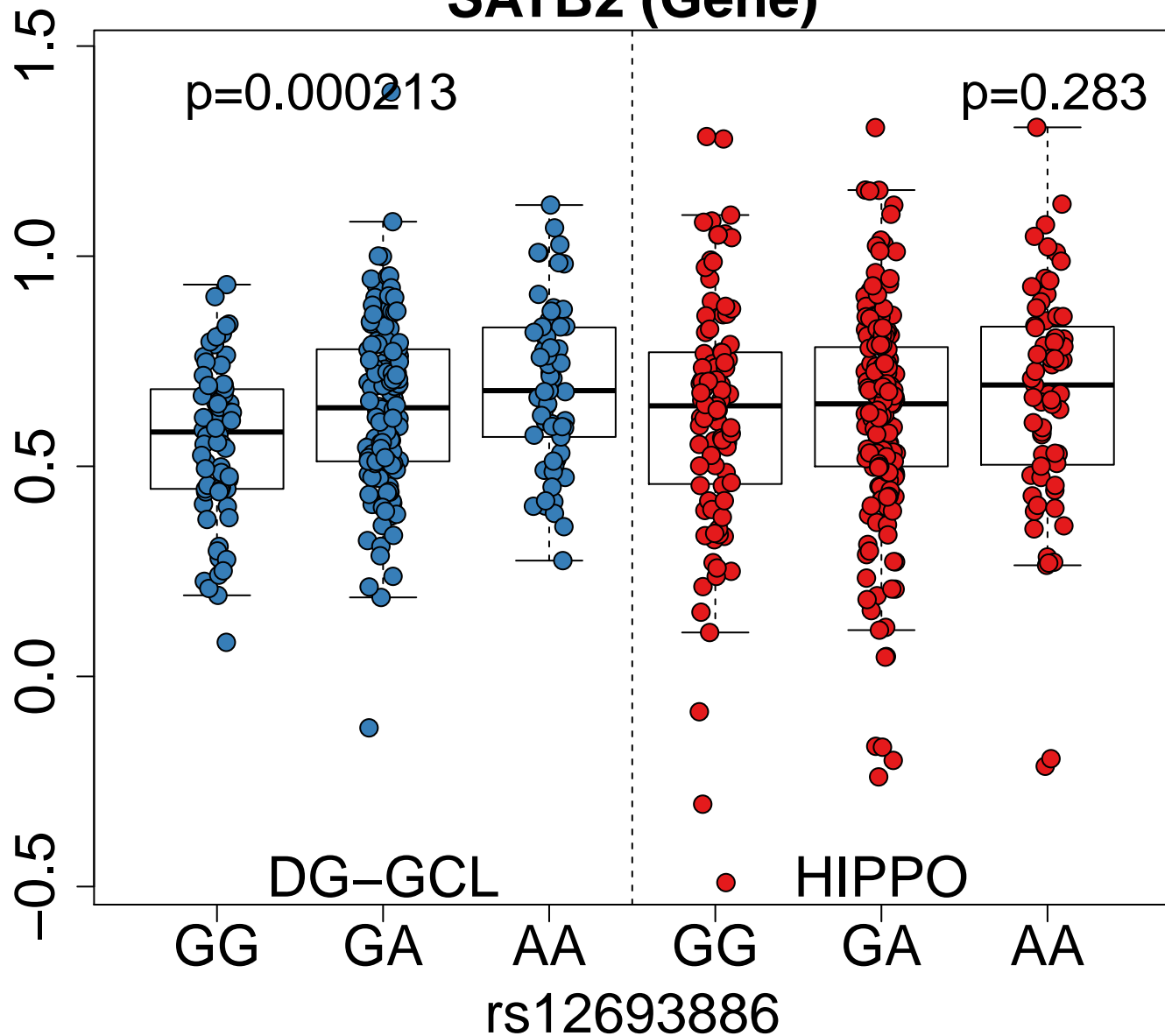
ENSG00000119042.16



Index: rs1451488 ($R^2=0.907$)

SATB2 (Gene)

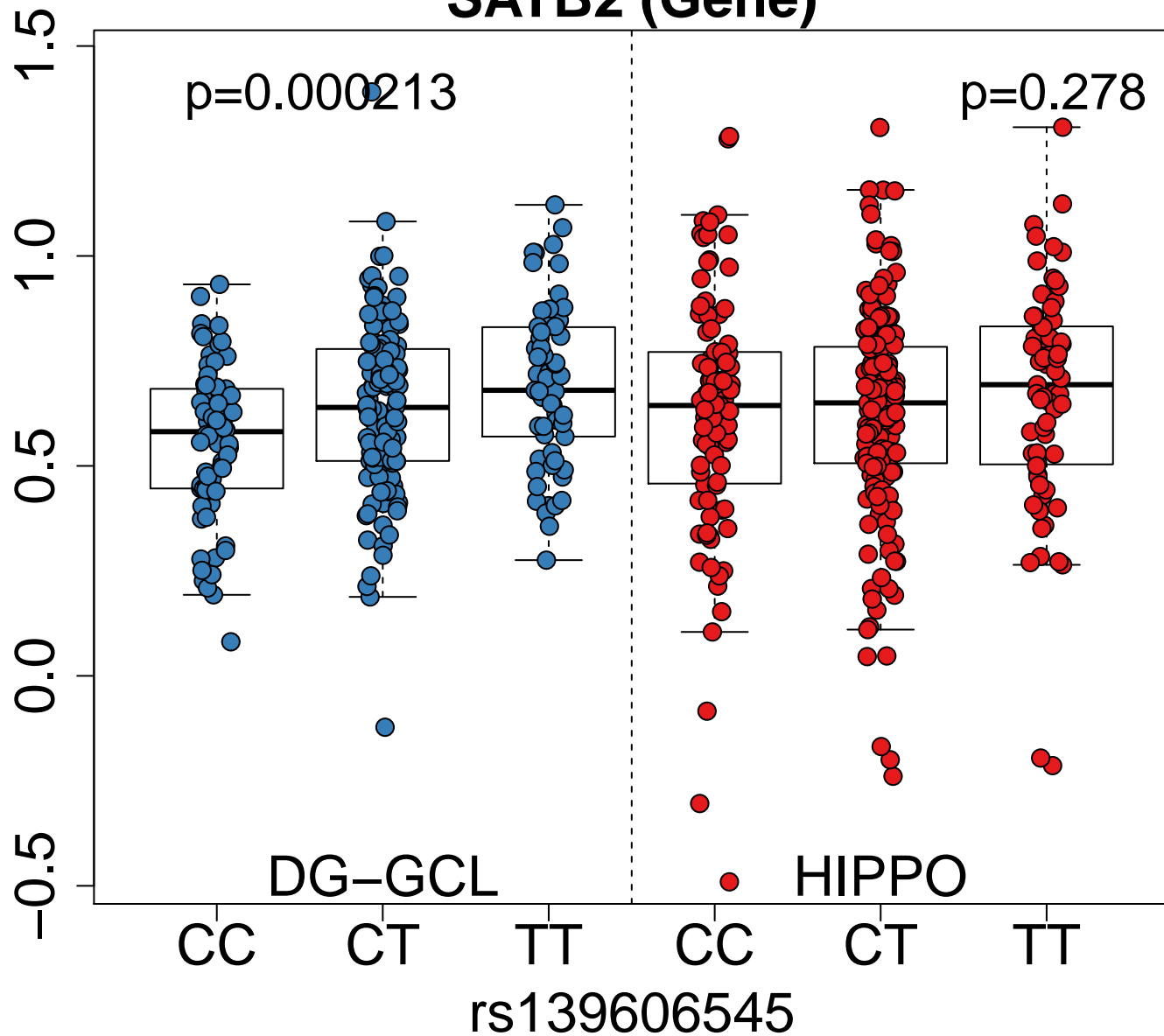
ENSG00000119042.16



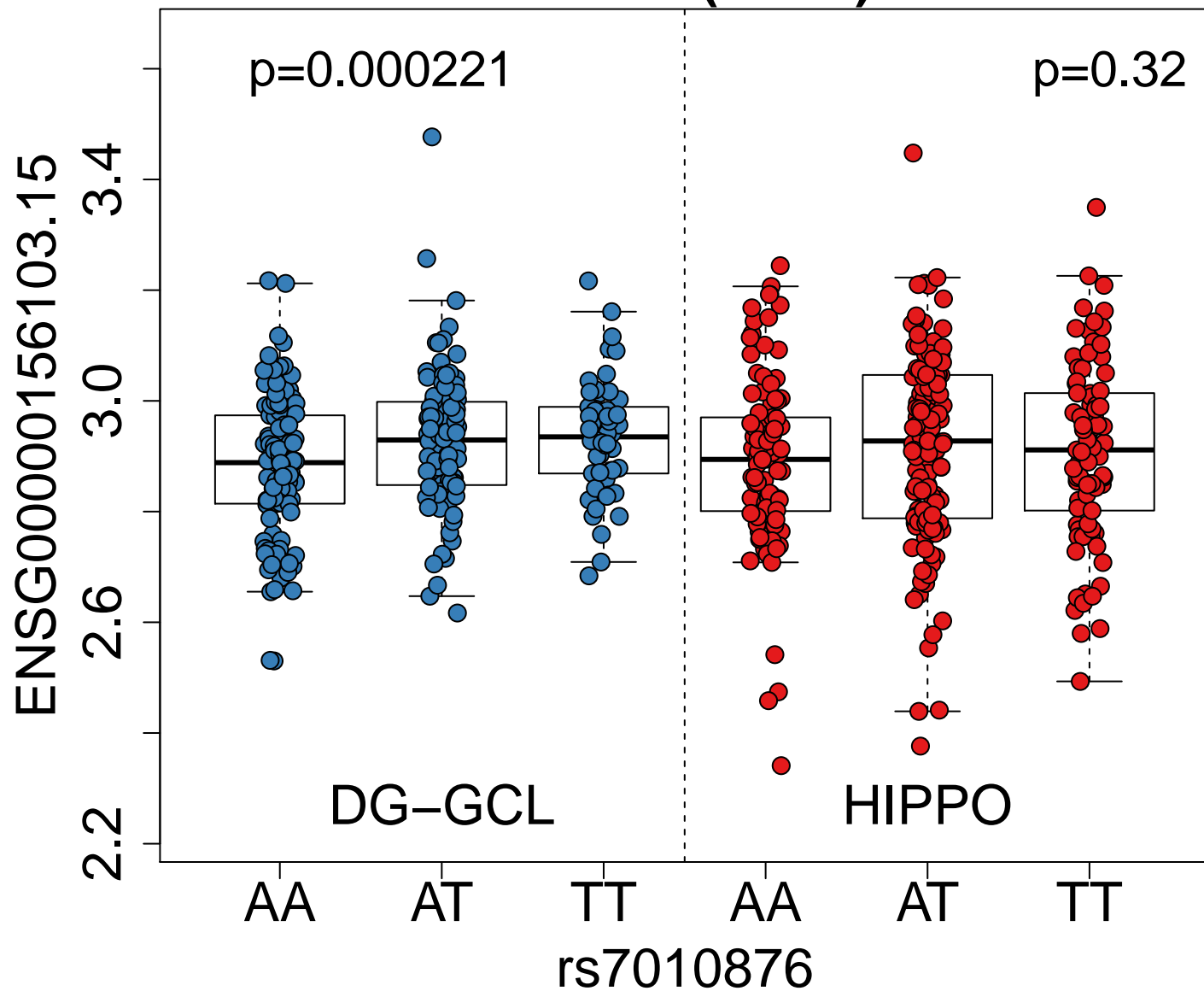
Index: rs1451488 ($R^2=0.907$)

SATB2 (Gene)

ENSG00000119042.16

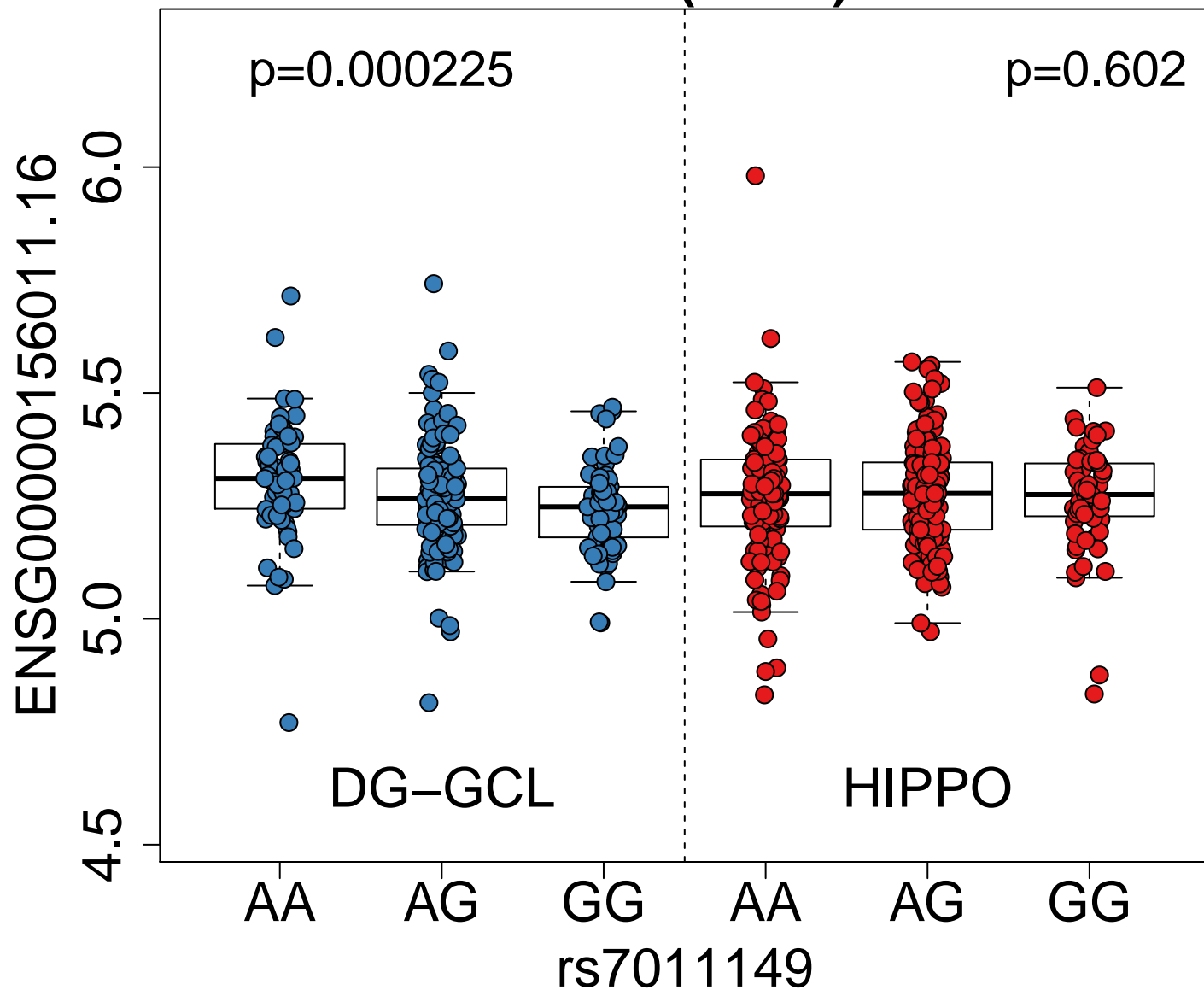


Index: rs7010876 ($R^2=1$)
MMP16 (Gene)



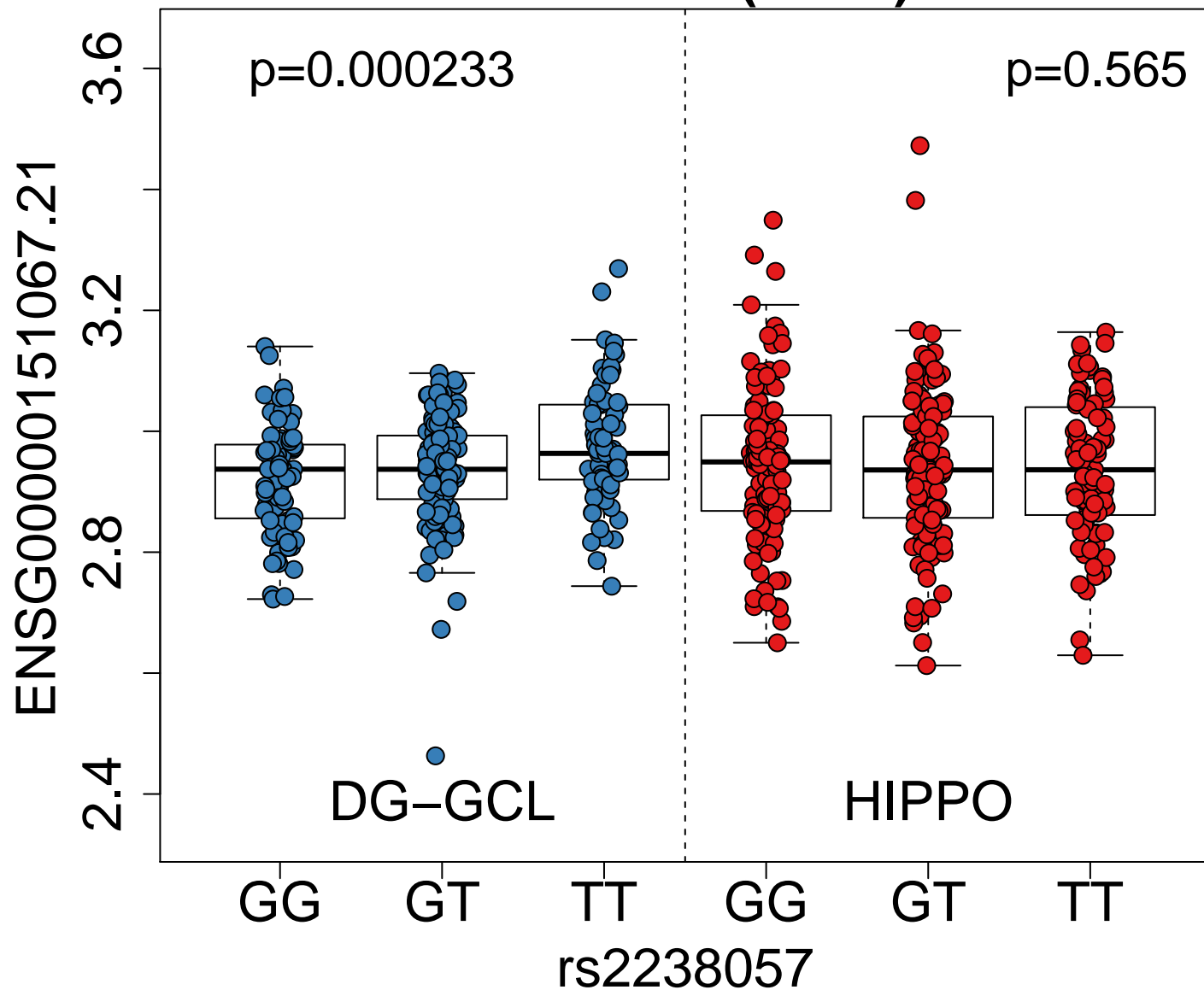
Index: rs2410572 ($R^2=0.857$)

PSD3 (Gene)



Index: rs2007044 ($R^2=0.862$)

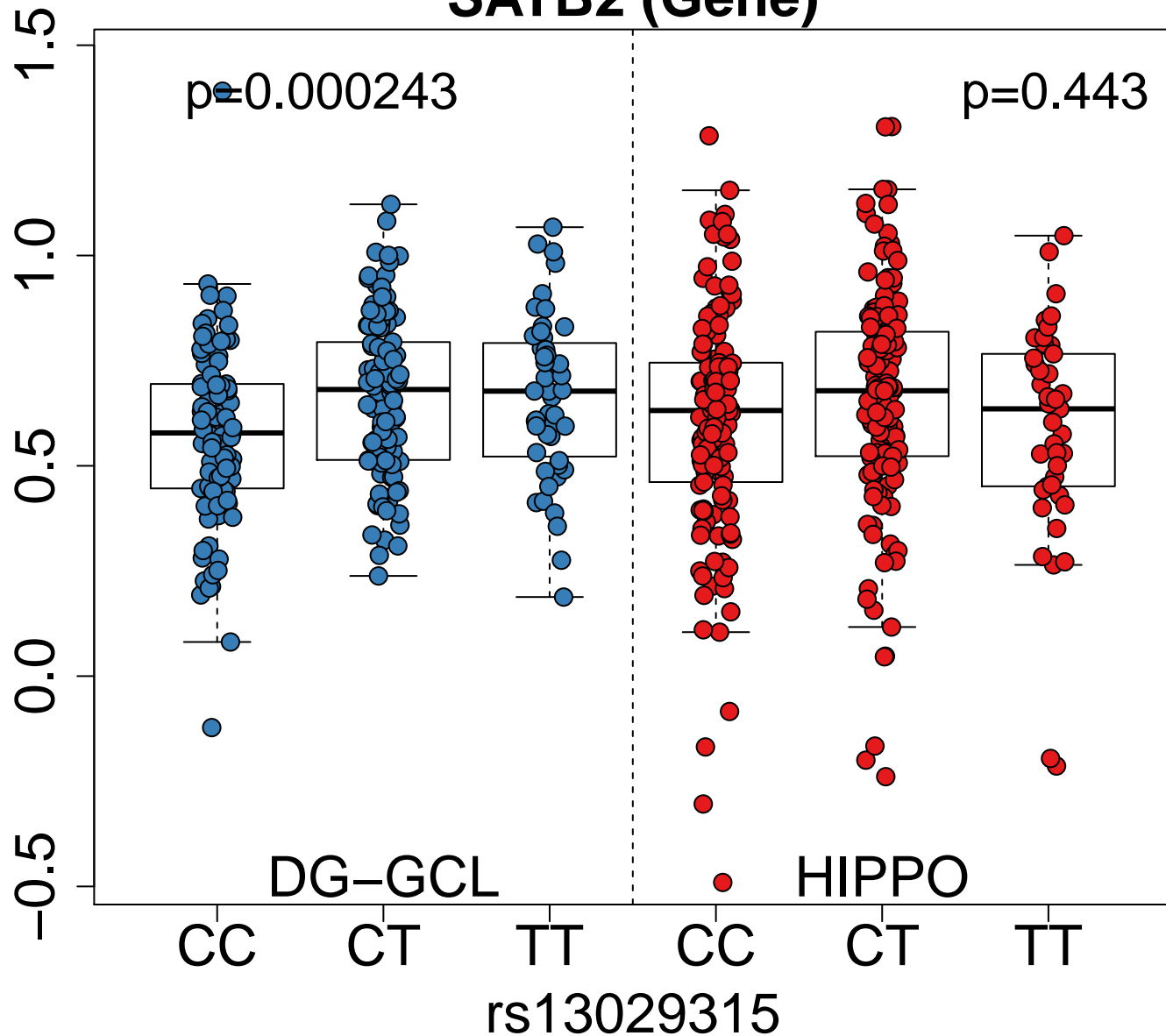
CACNA1C (Gene)



Index: rs1451488 ($R^2=0.892$)

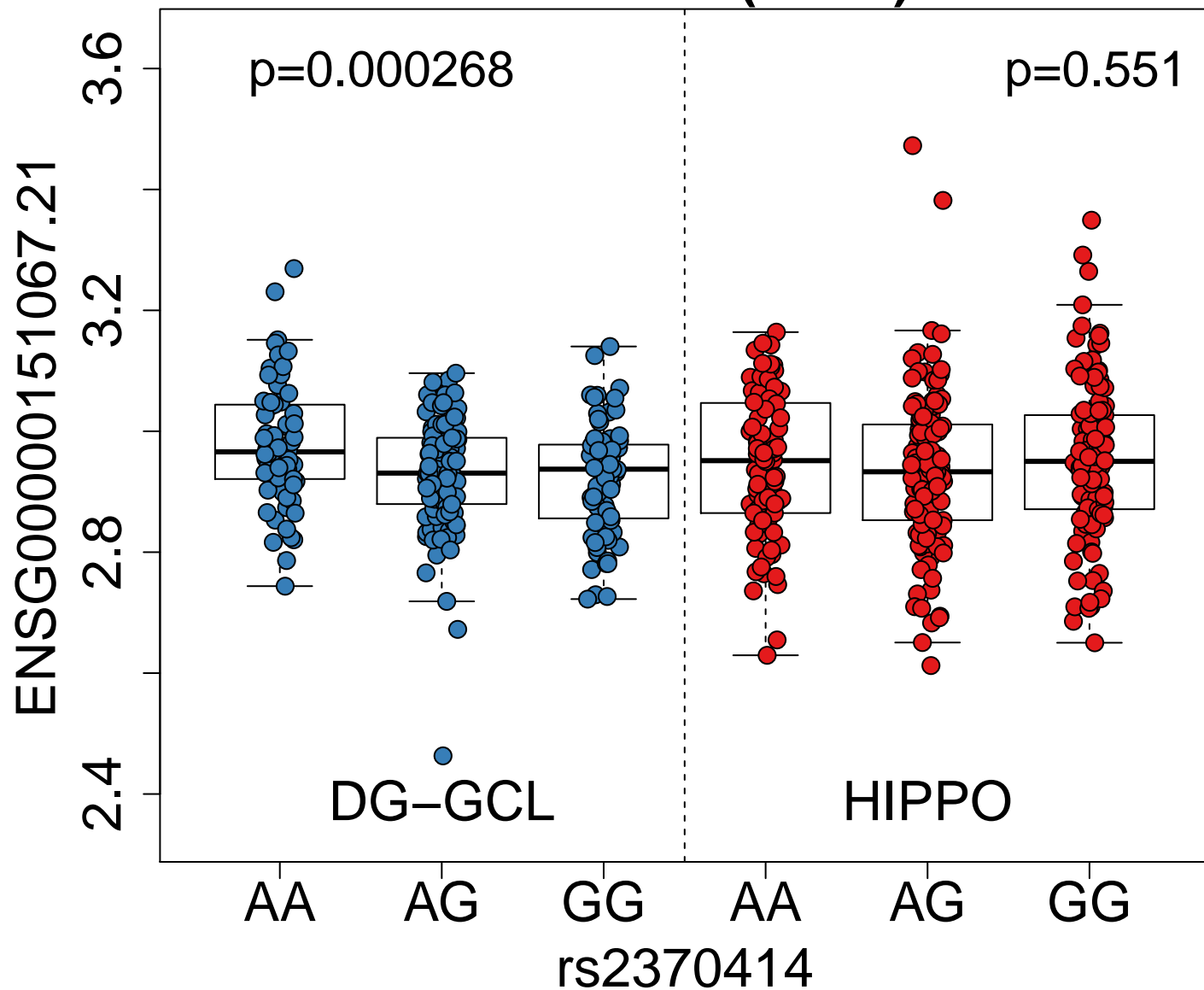
SATB2 (Gene)

ENSG00000119042.16



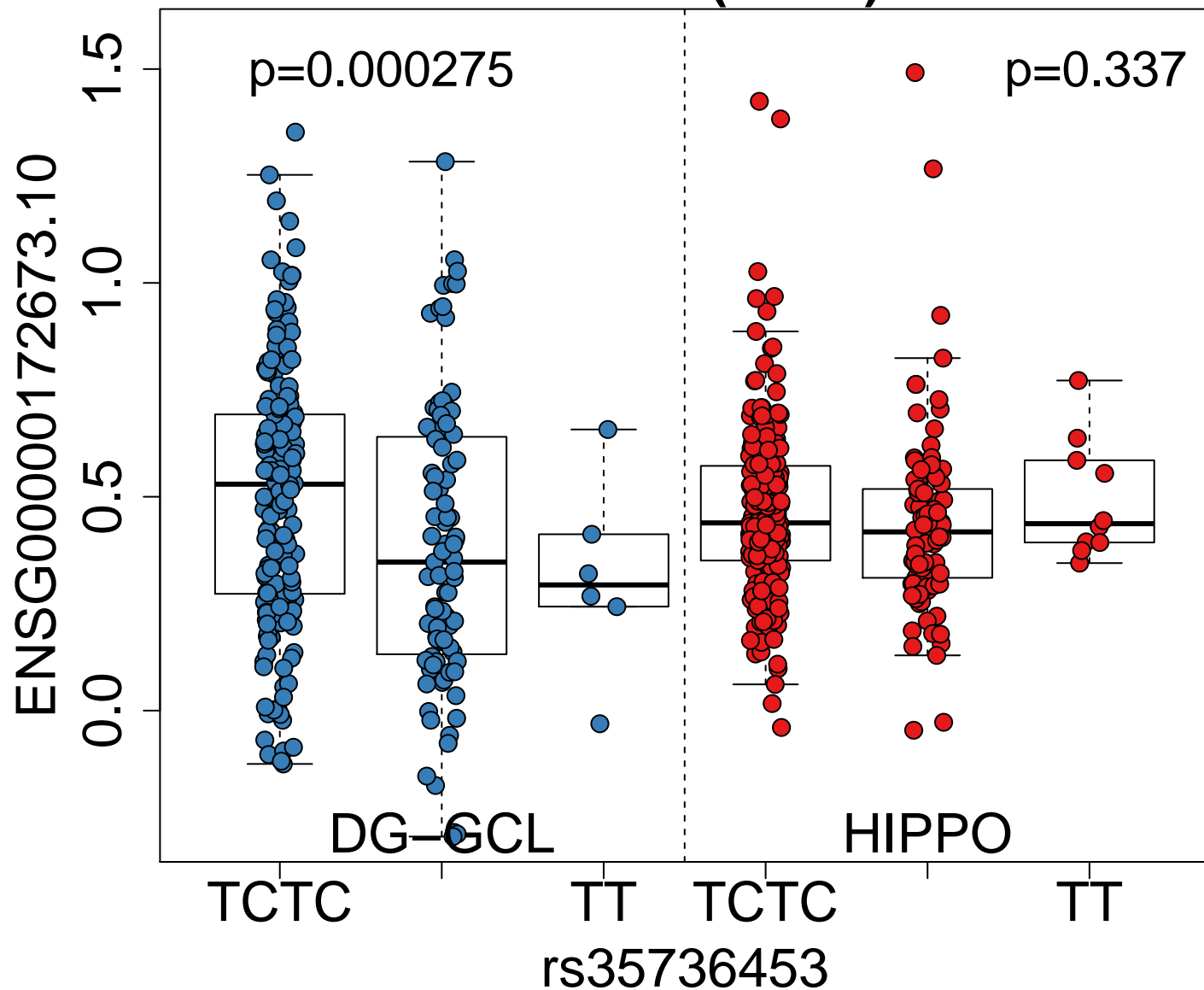
Index: rs2007044 ($R^2=0.877$)

CACNA1C (Gene)



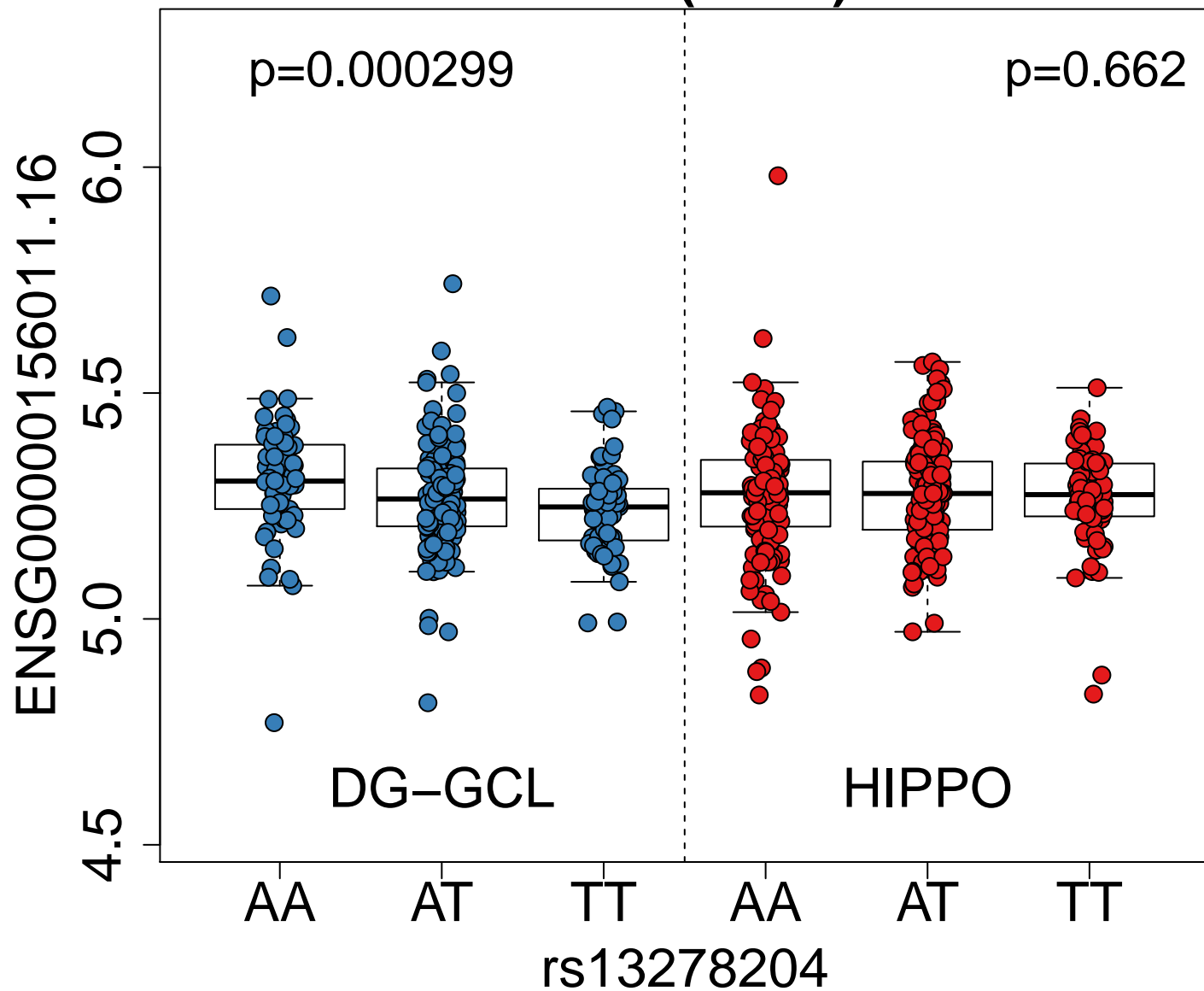
Index: rs35736453 ($R^2=1$)

THEMIS (Gene)



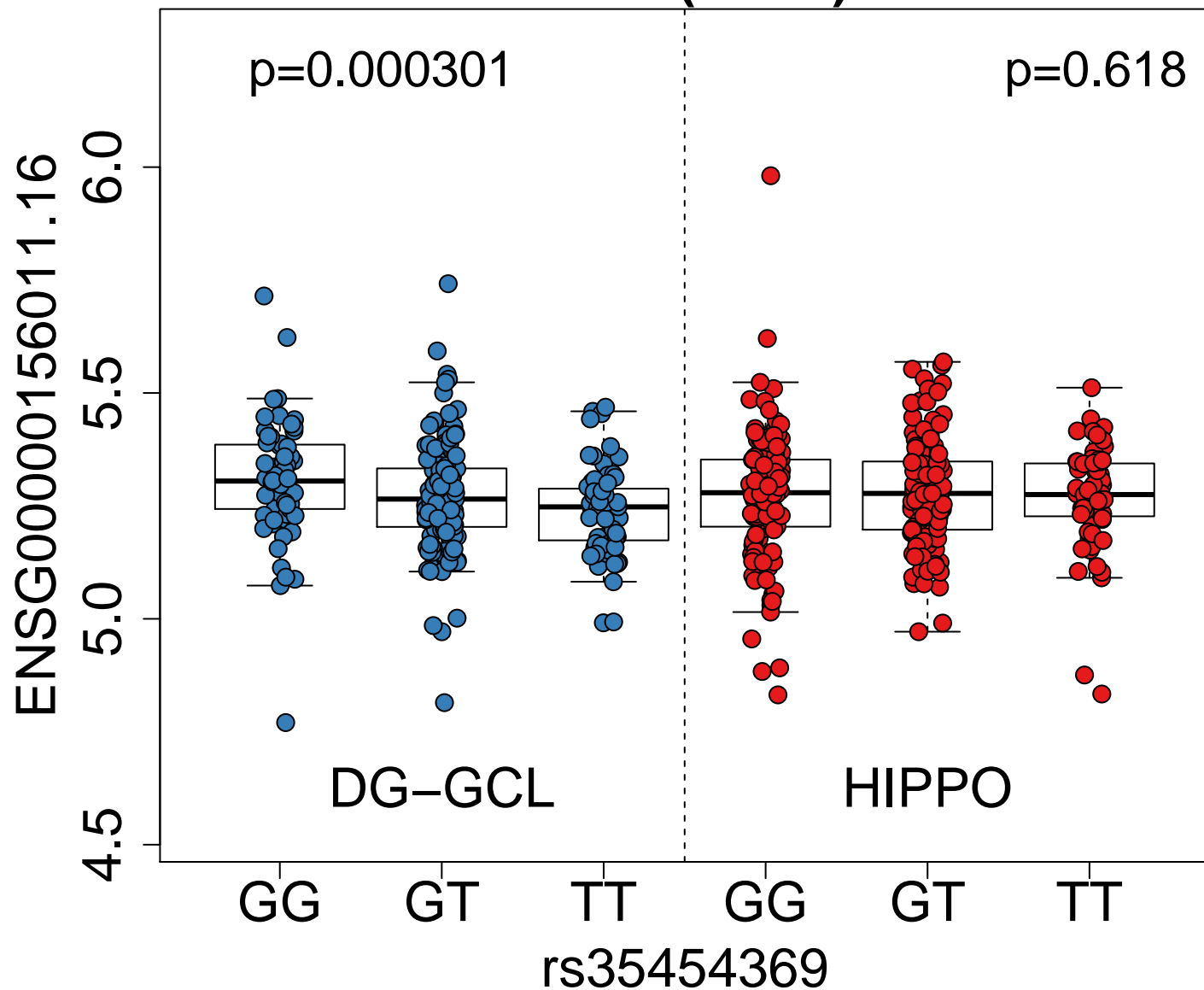
Index: rs2410572 ($R^2=0.857$)

PSD3 (Gene)

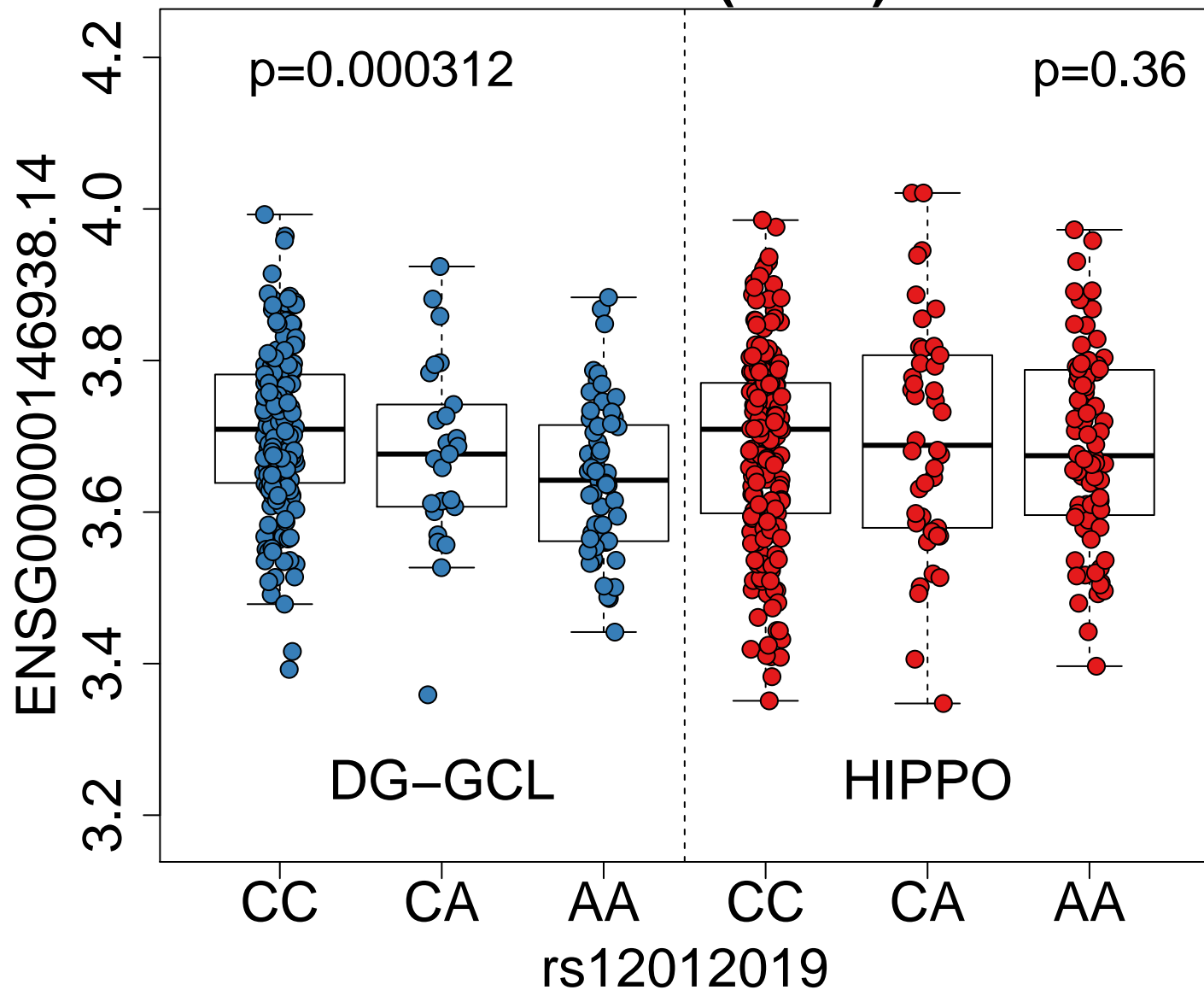


Index: rs2410572 ($R^2=0.865$)

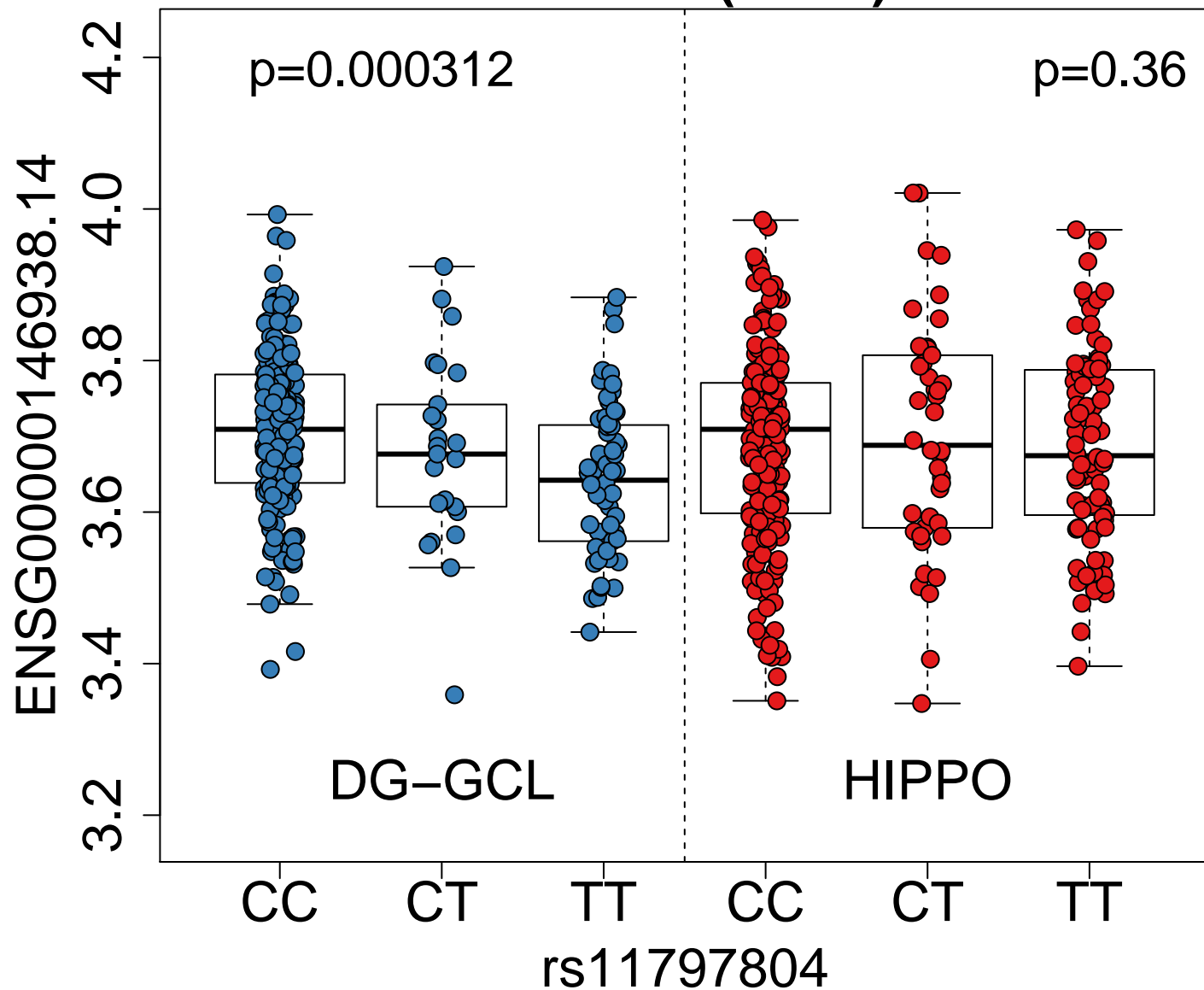
PSD3 (Gene)



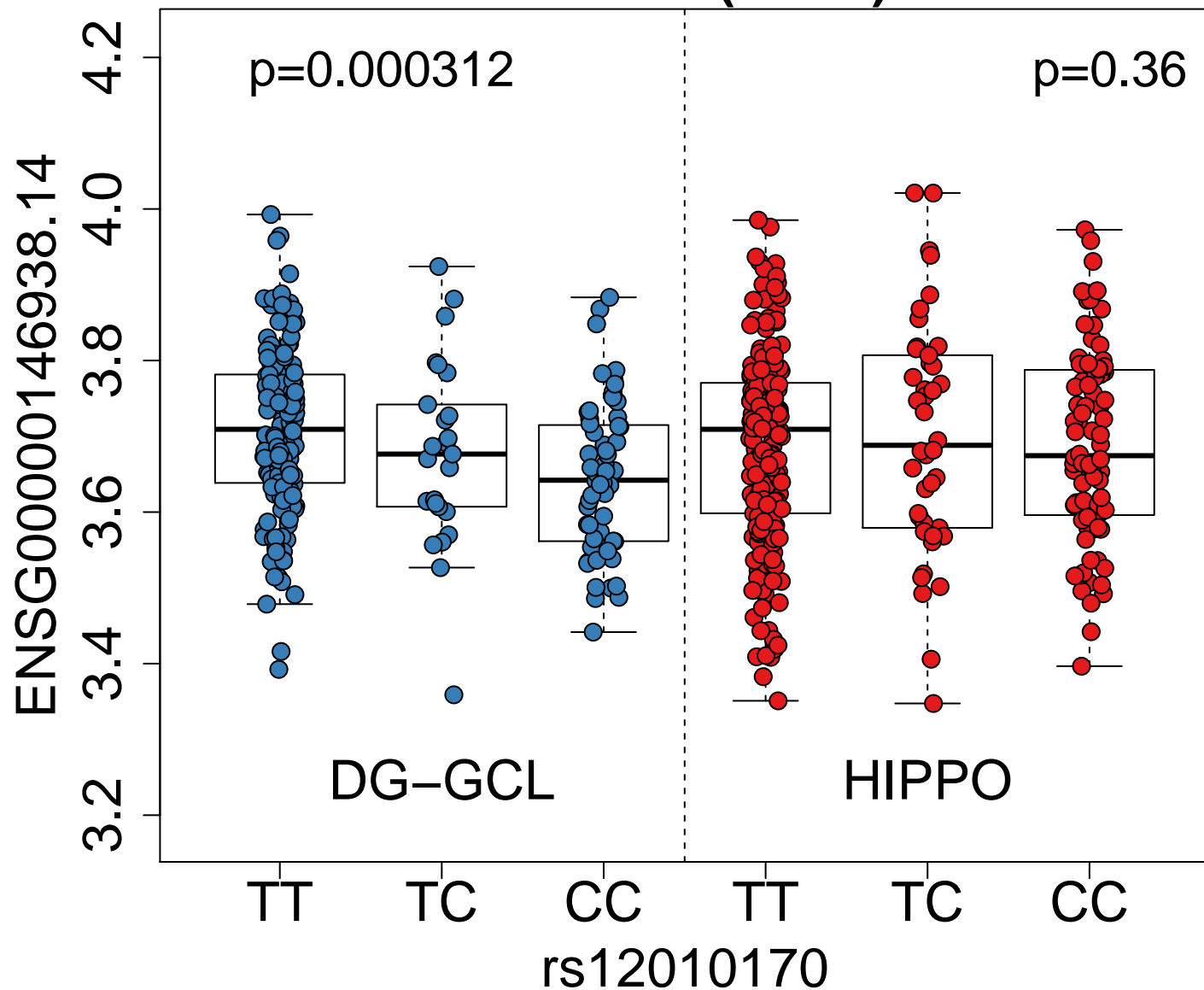
Index: rs12009217 ($R^2=1$)
NLGN4X (Gene)



Index: rs12009217 ($R^2=1$)
NLGN4X (Gene)



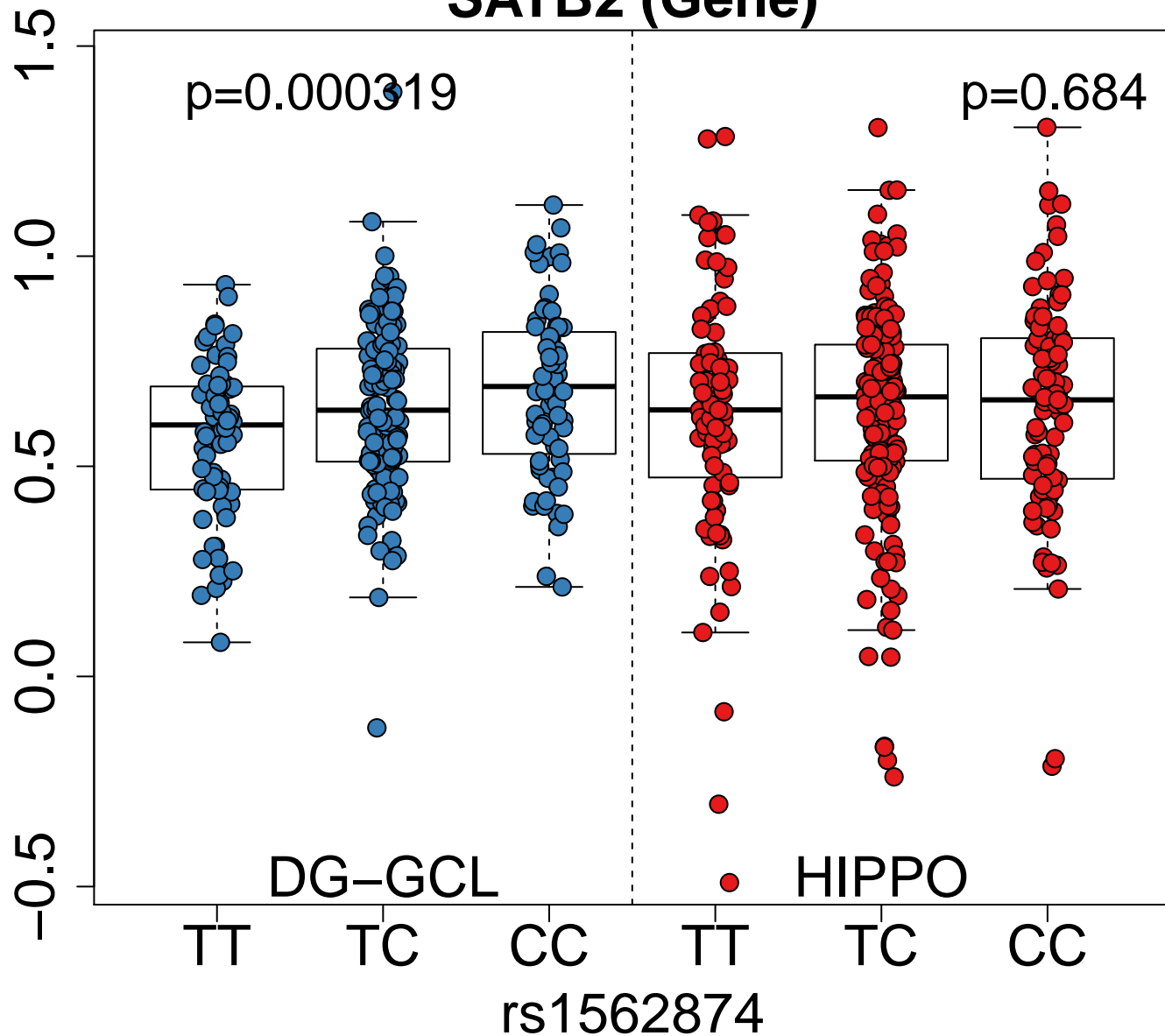
Index: rs12009217 ($R^2=1$)
NLGN4X (Gene)



Index: rs1451488 ($R^2=0.873$)

SATB2 (Gene)

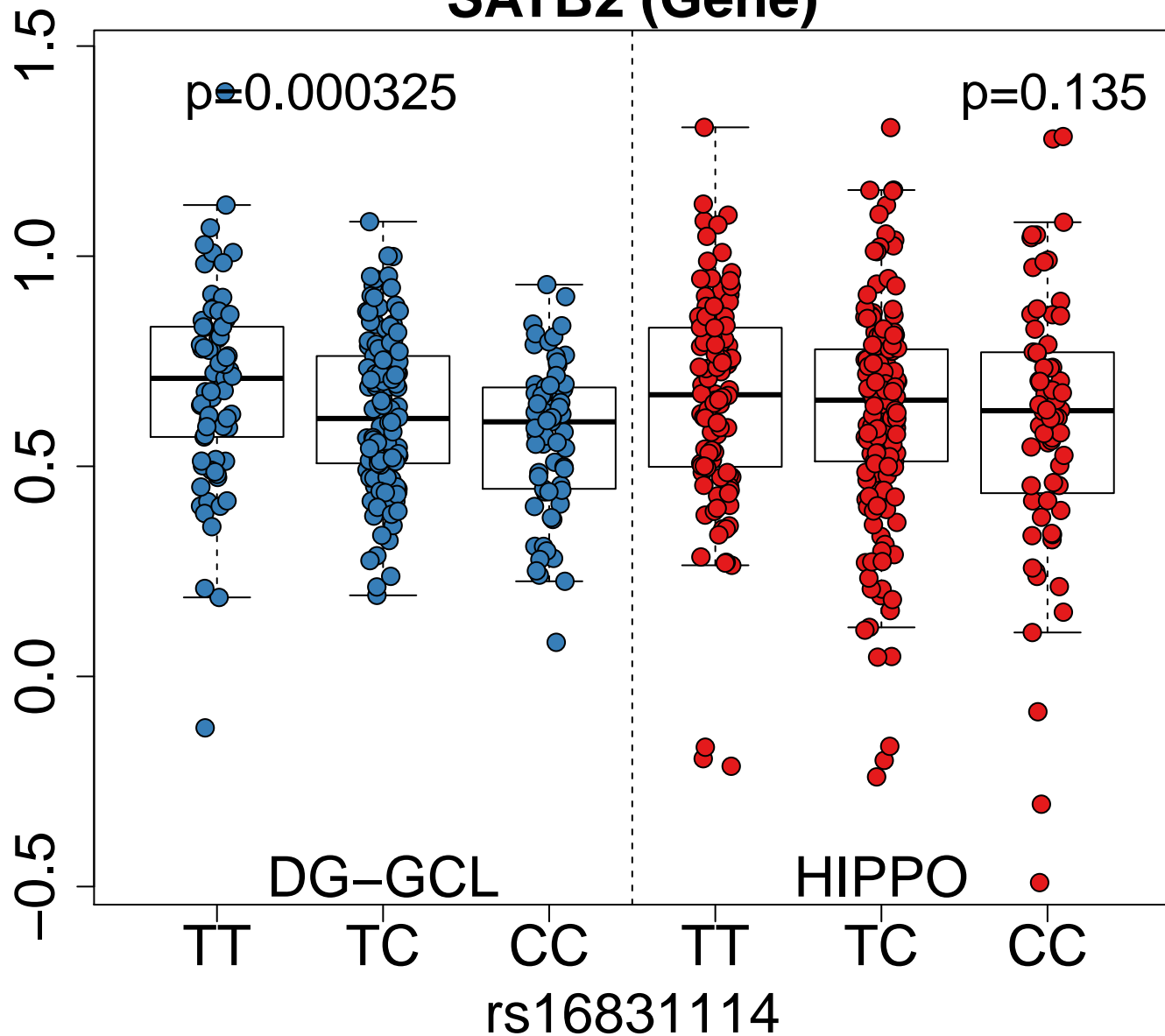
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

SATB2 (Gene)

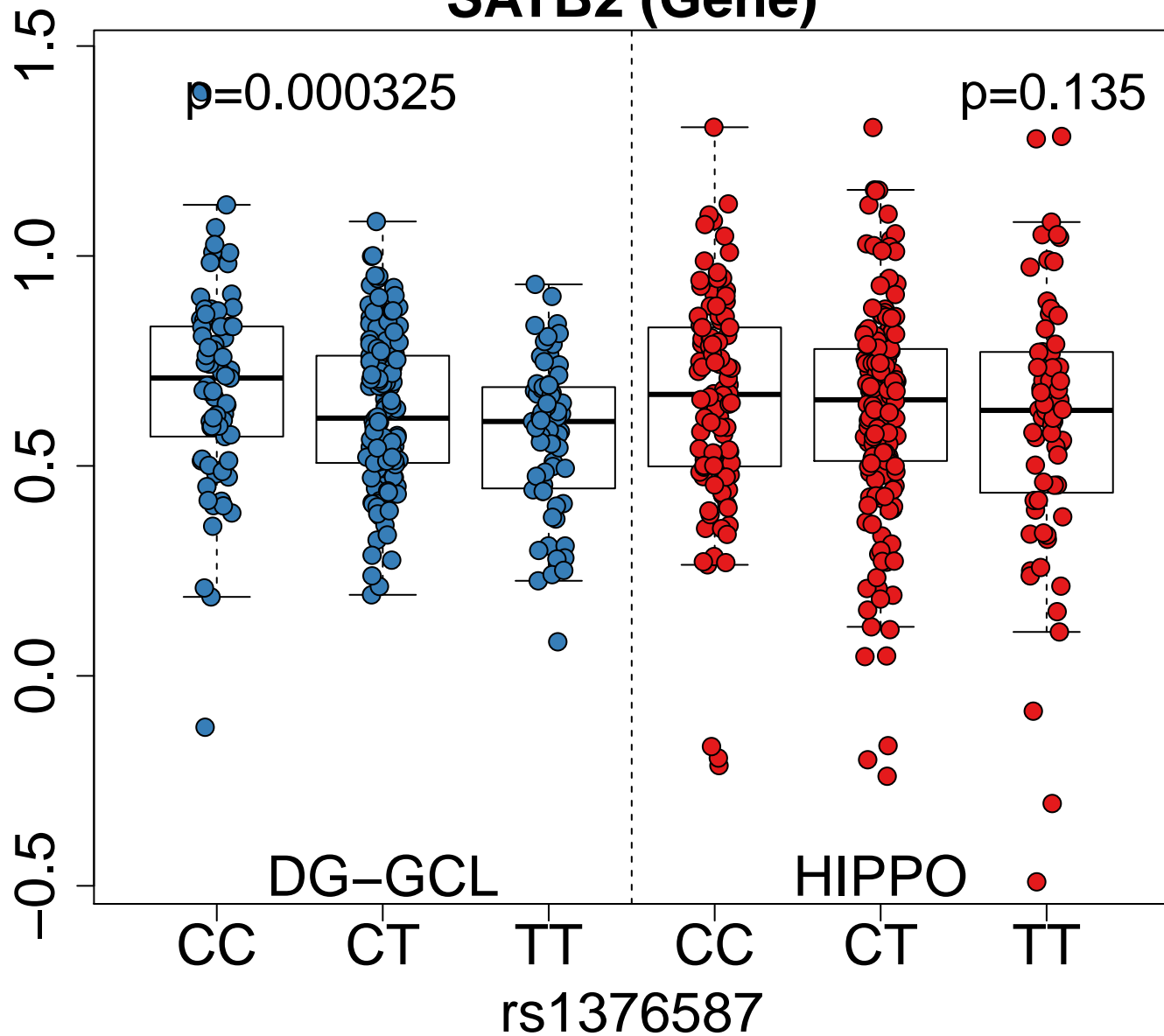
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

SATB2 (Gene)

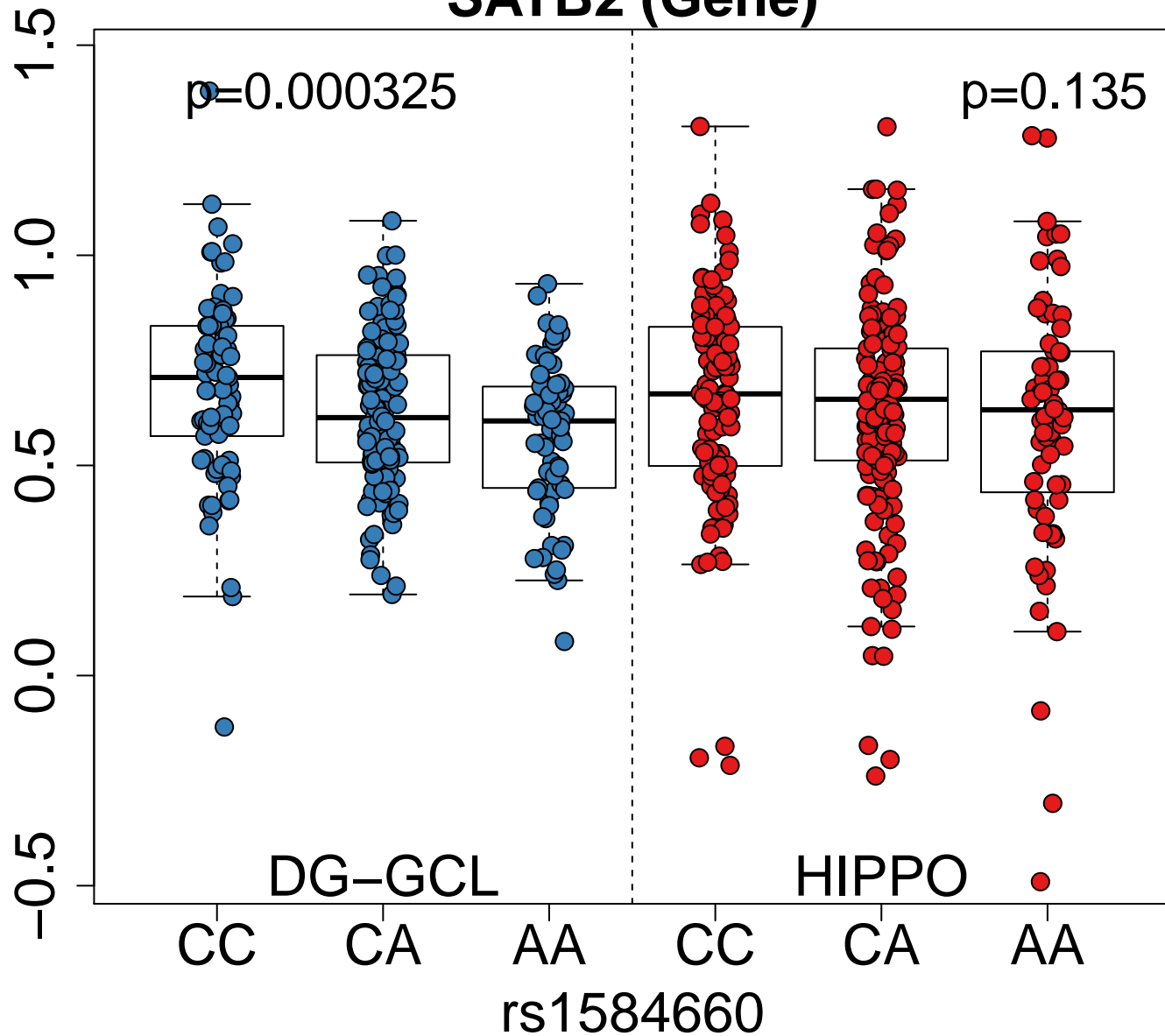
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

SATB2 (Gene)

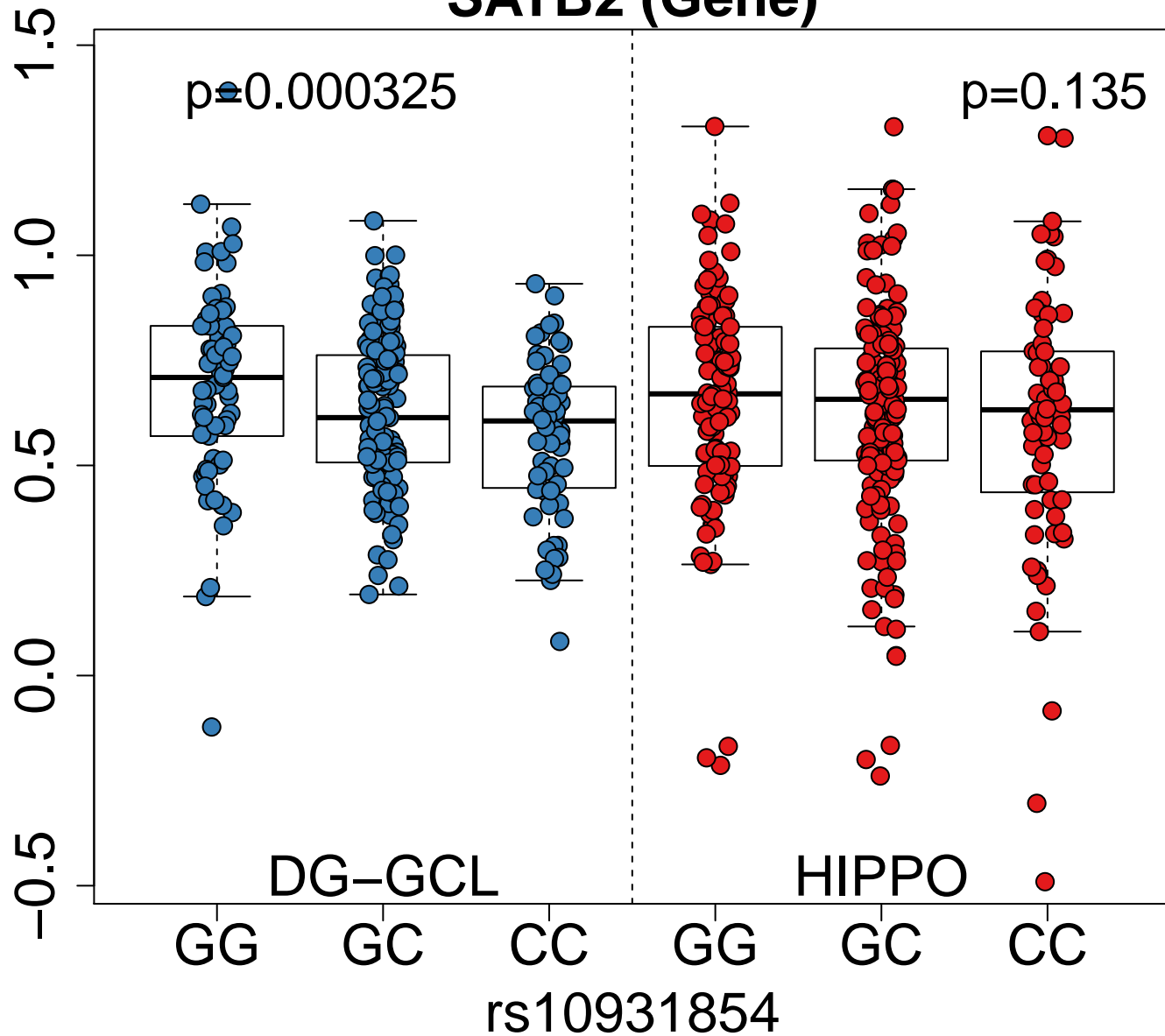
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

SATB2 (Gene)

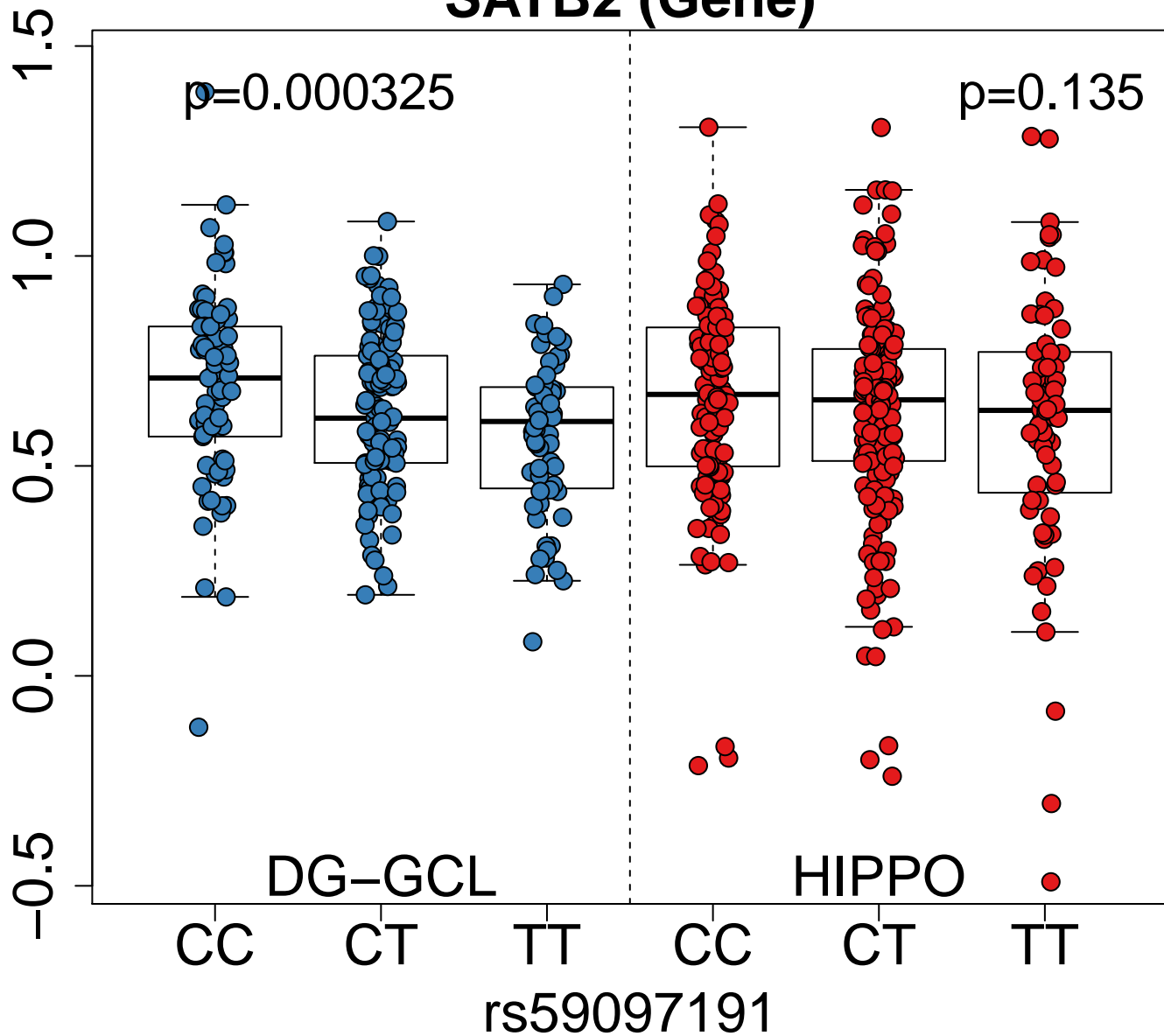
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

SATB2 (Gene)

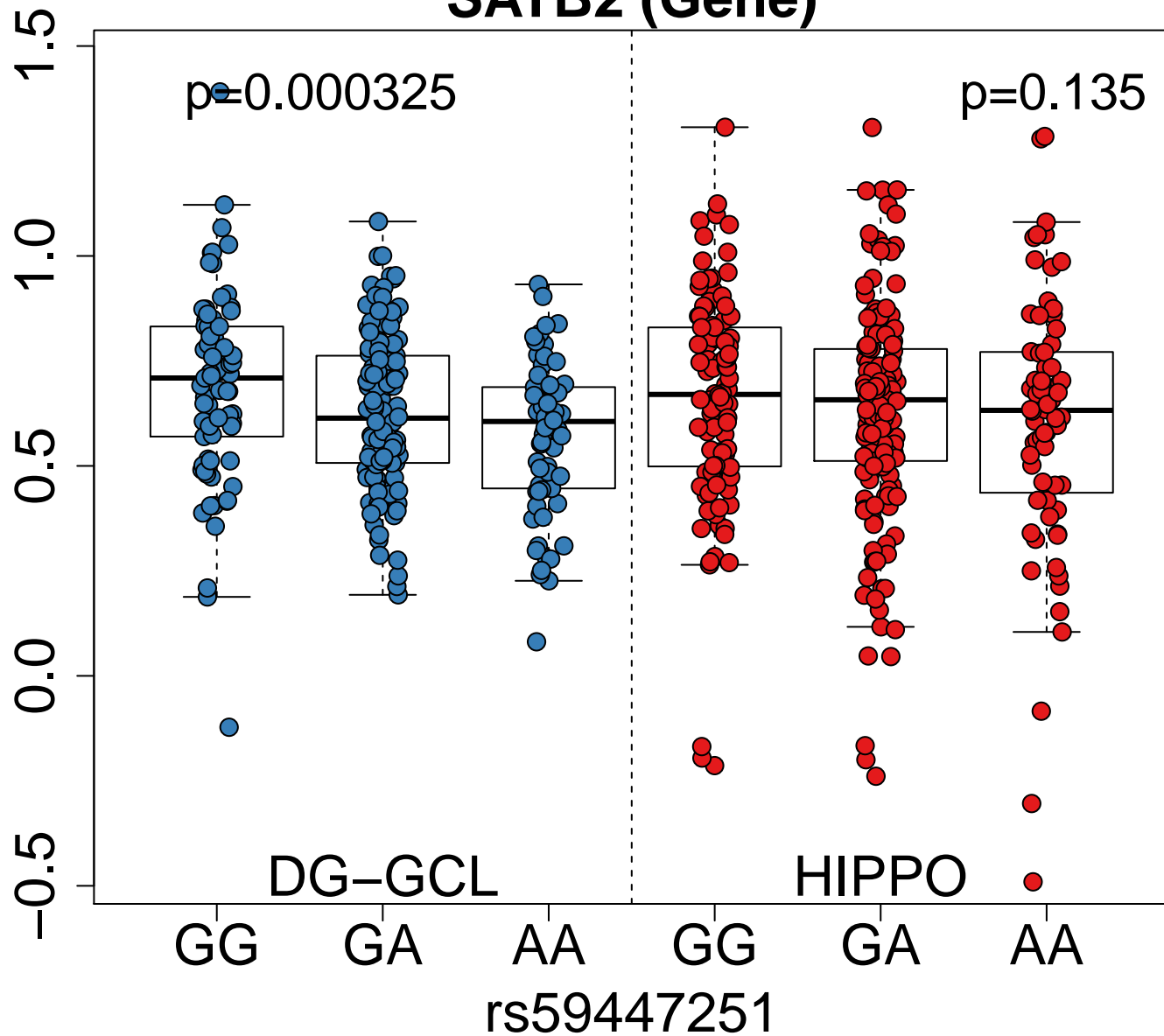
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

SATB2 (Gene)

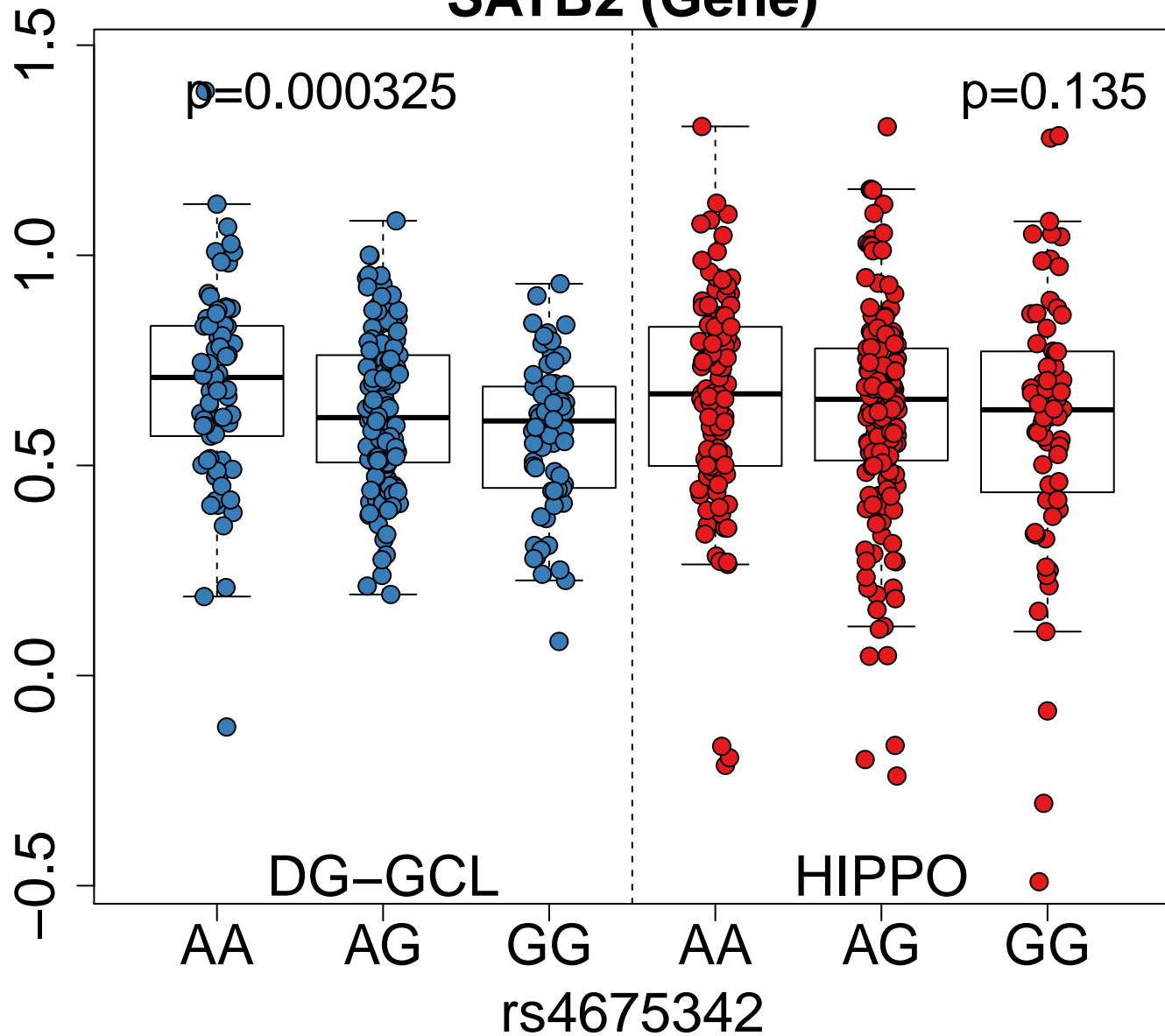
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

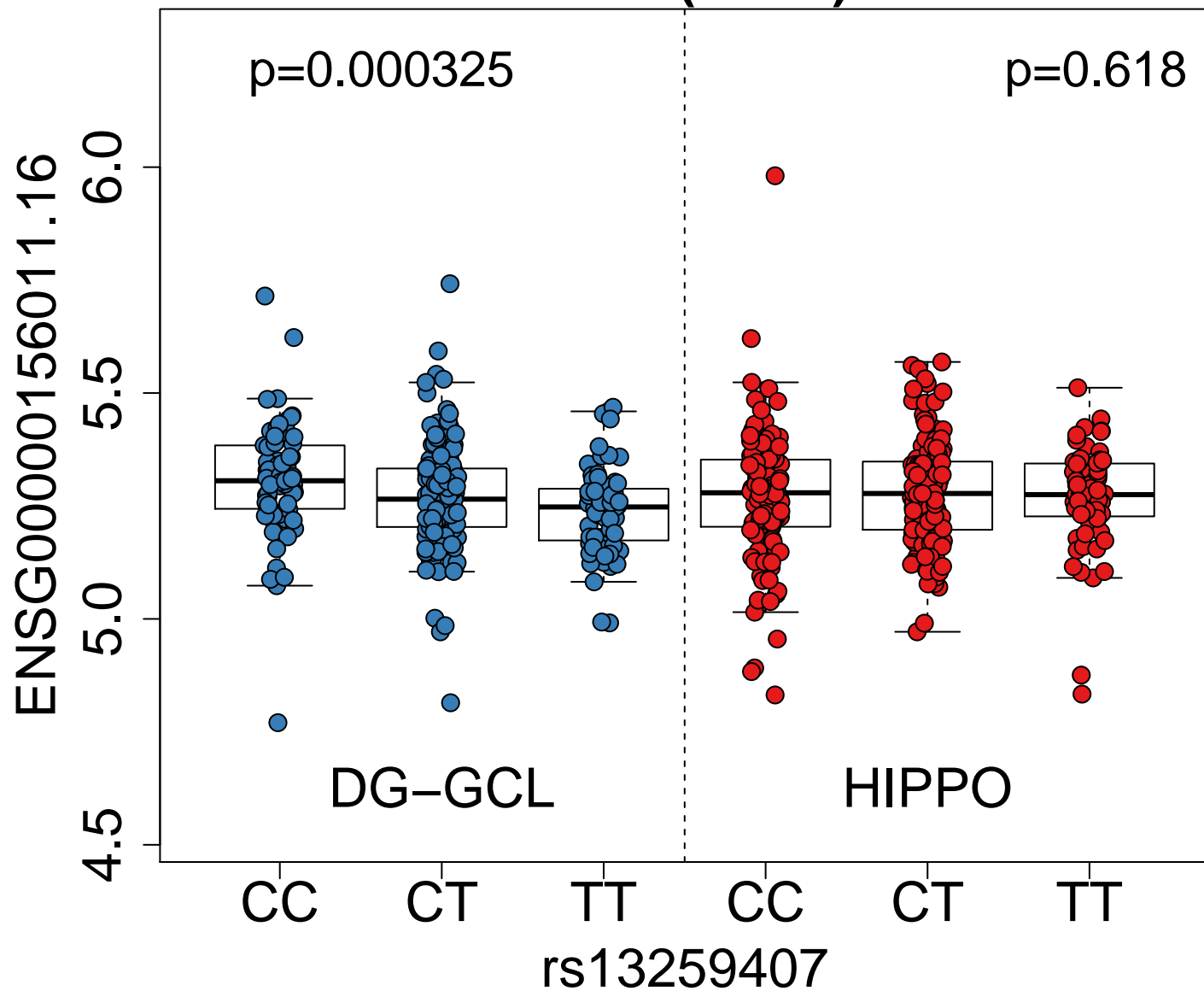
SATB2 (Gene)

ENSG00000119042.16



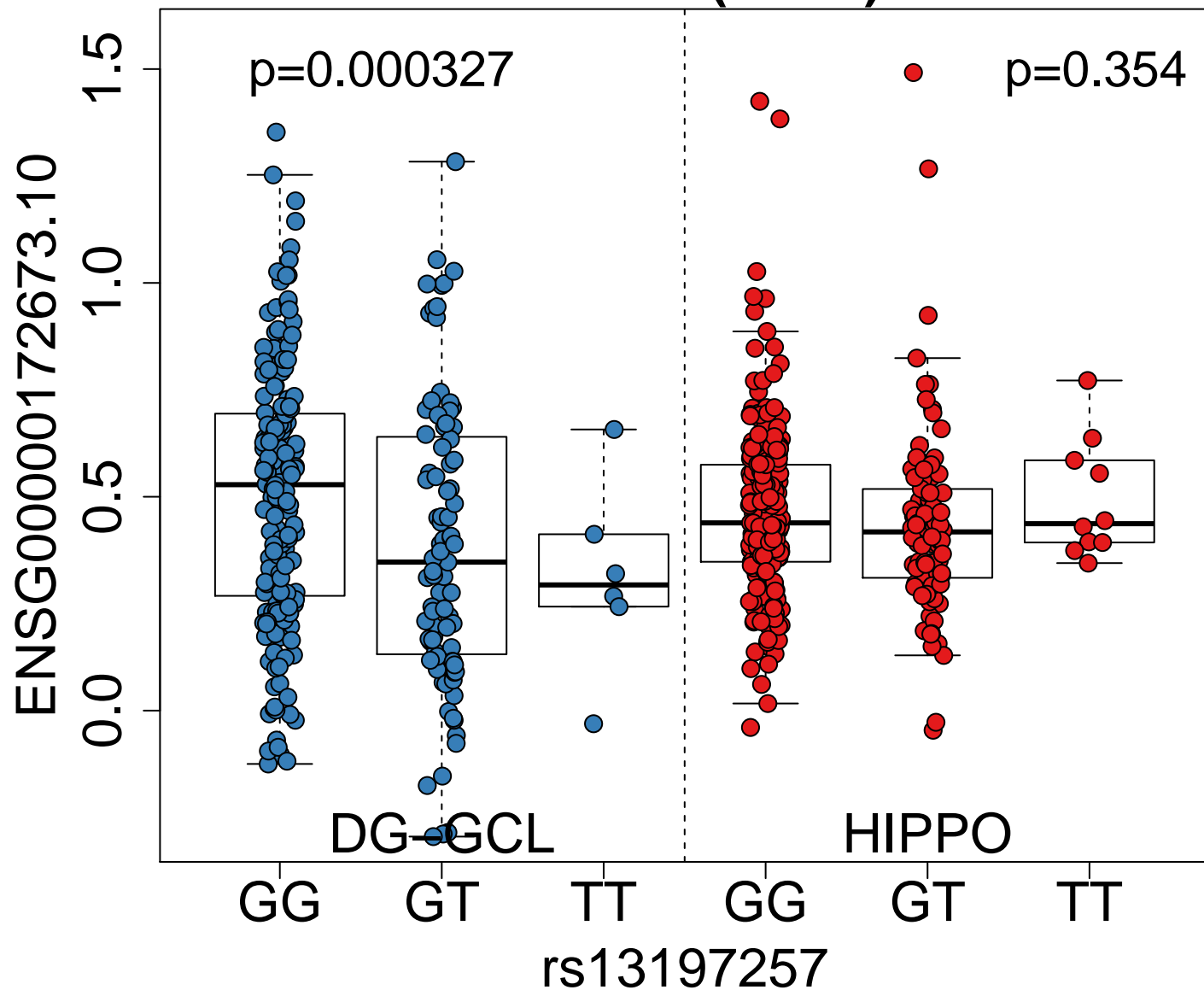
Index: rs2410572 ($R^2=0.865$)

PSD3 (Gene)



Index: rs35736453 ($R^2=1$)

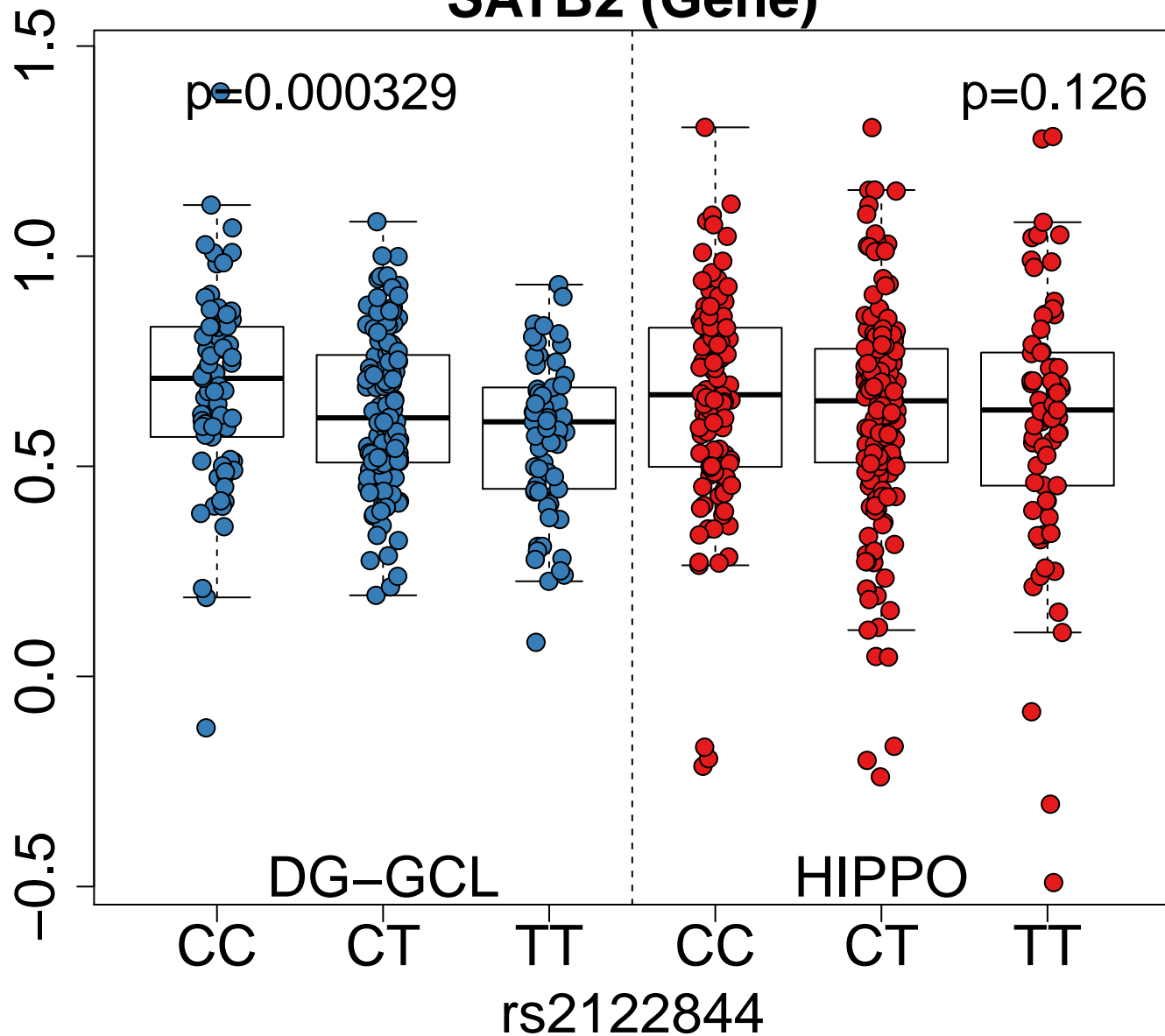
THEMIS (Gene)



Index: rs1451488 ($R^2=0.824$)

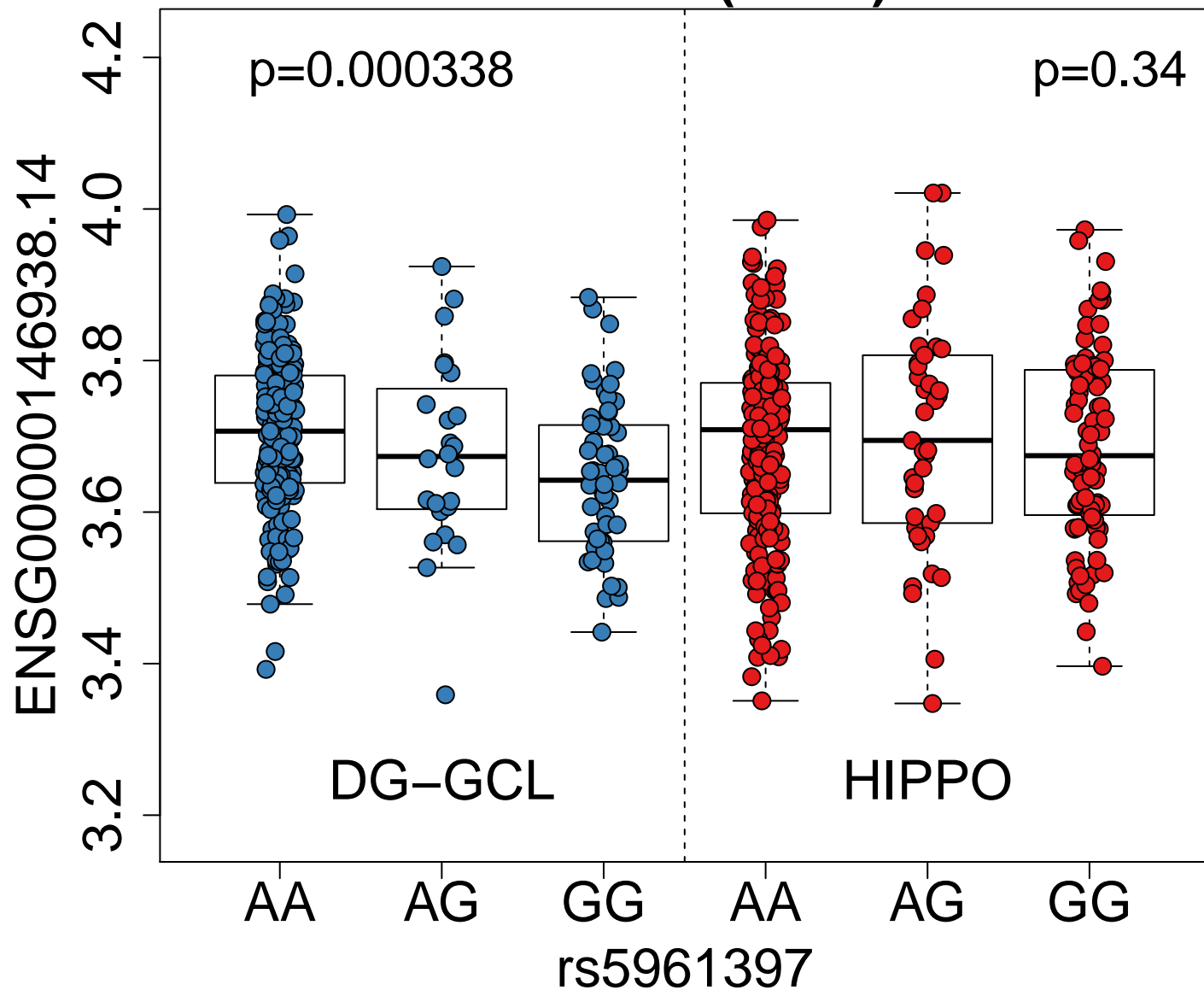
SATB2 (Gene)

ENSG00000119042.16



Index: rs12009217 ($R^2=0.968$)

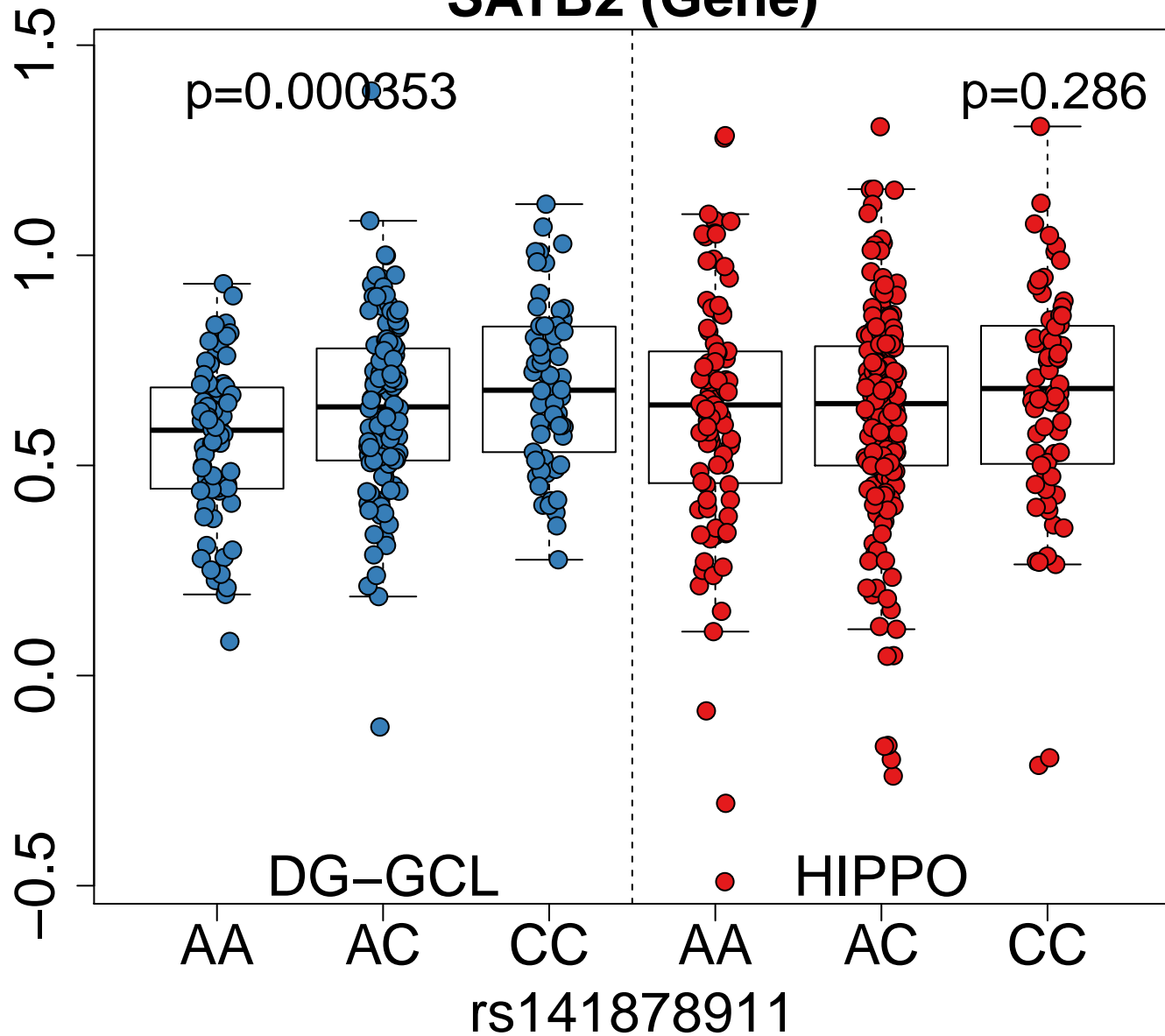
NLGN4X (Gene)



Index: rs1451488 ($R^2=0.926$)

SATB2 (Gene)

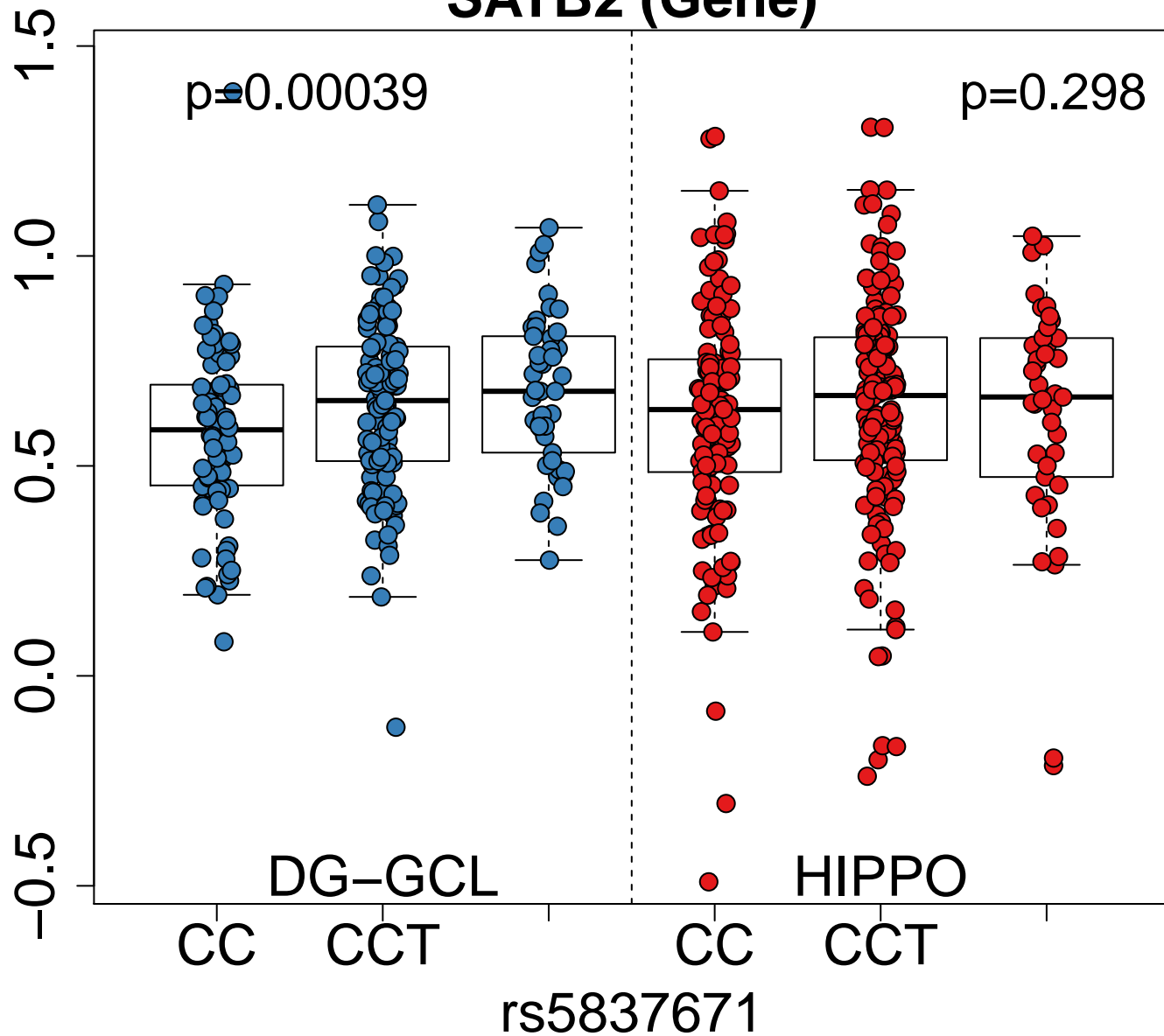
ENSG00000119042.16



Index: rs1451488 ($R^2=0.883$)

SATB2 (Gene)

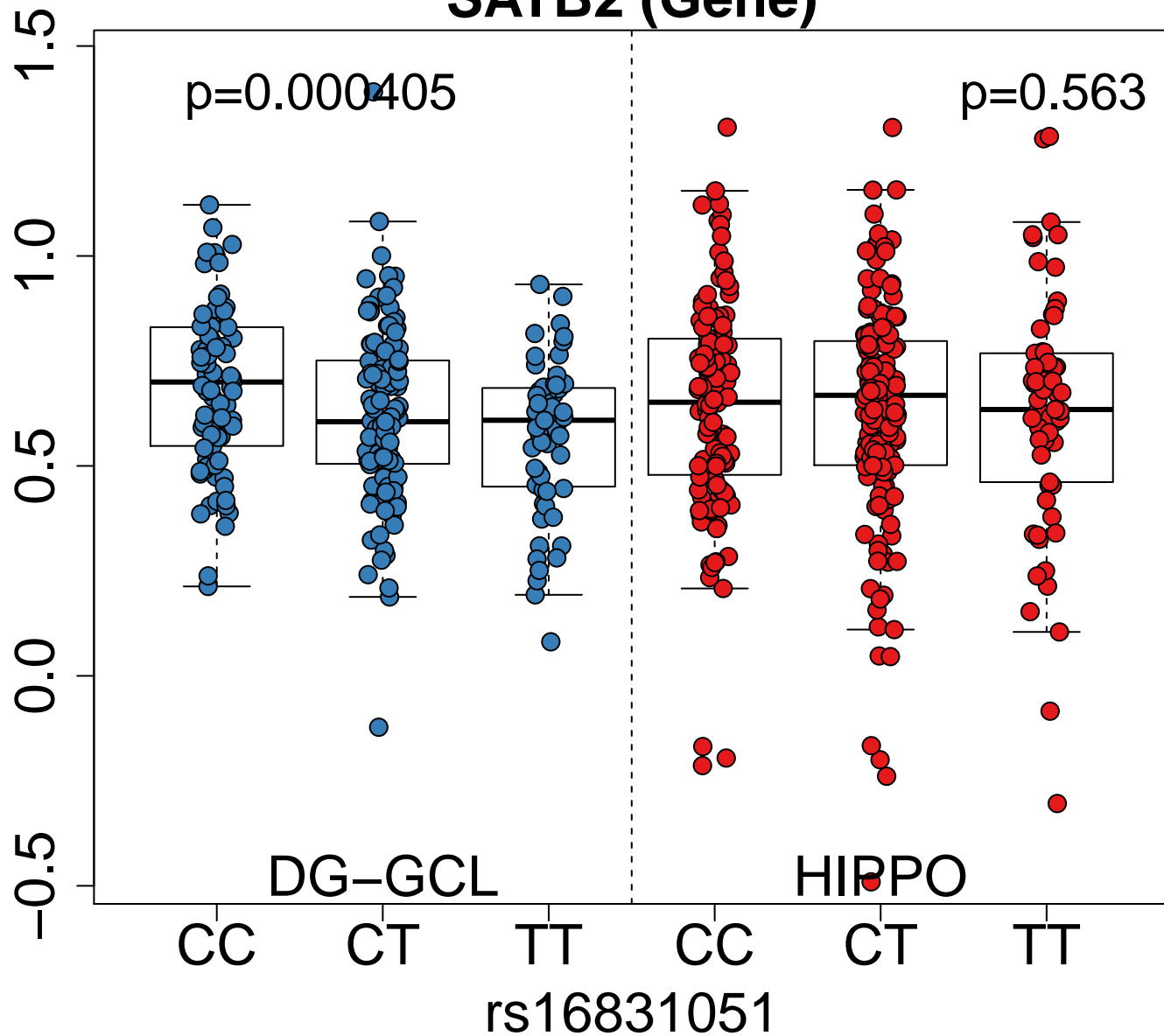
ENSG00000119042.16



Index: rs1451488 ($R^2=0.88$)

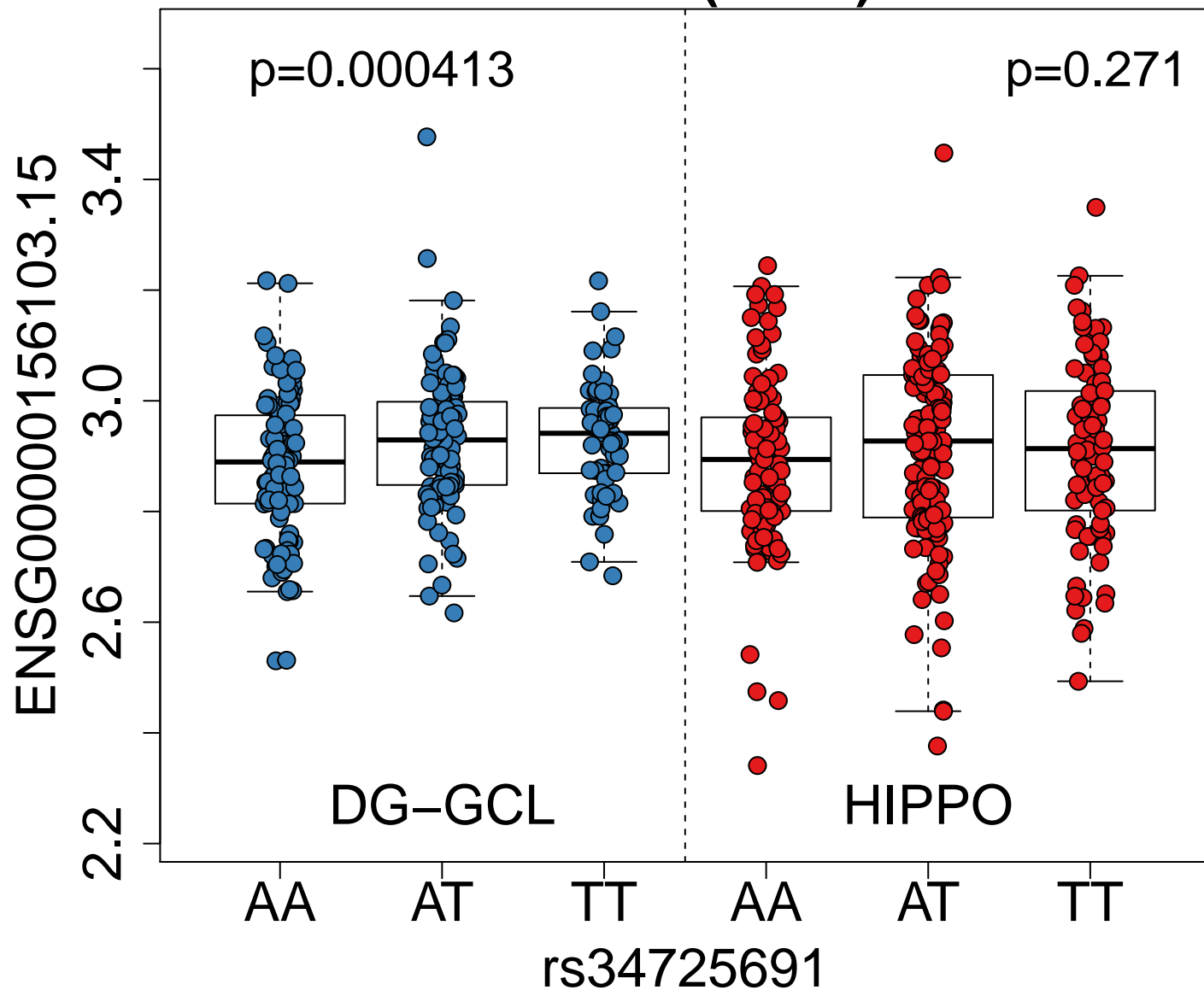
SATB2 (Gene)

ENSG00000119042.16



Index: rs7010876 ($R^2=0.996$)

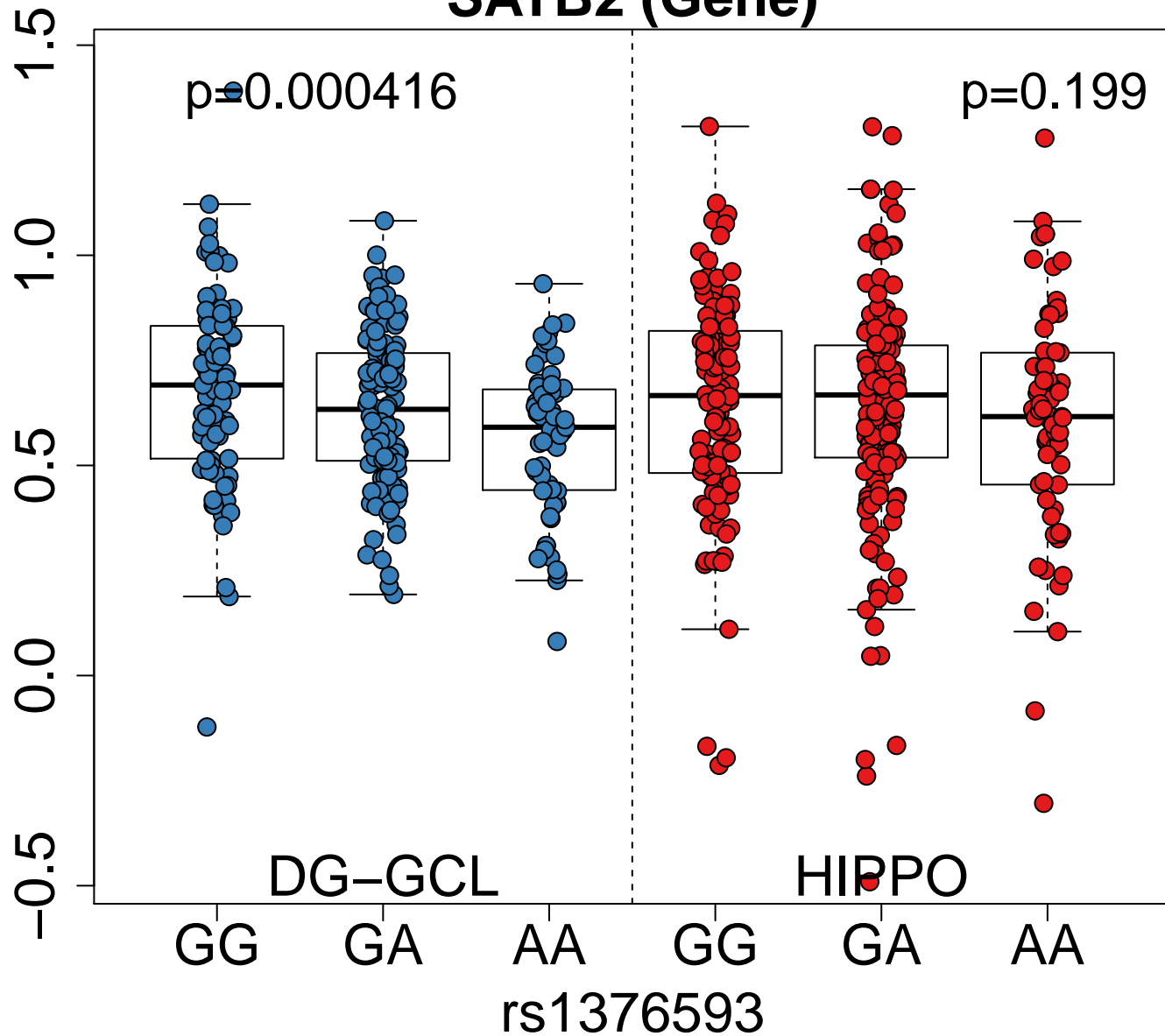
MMP16 (Gene)



Index: rs1451488 ($R^2=0.876$)

SATB2 (Gene)

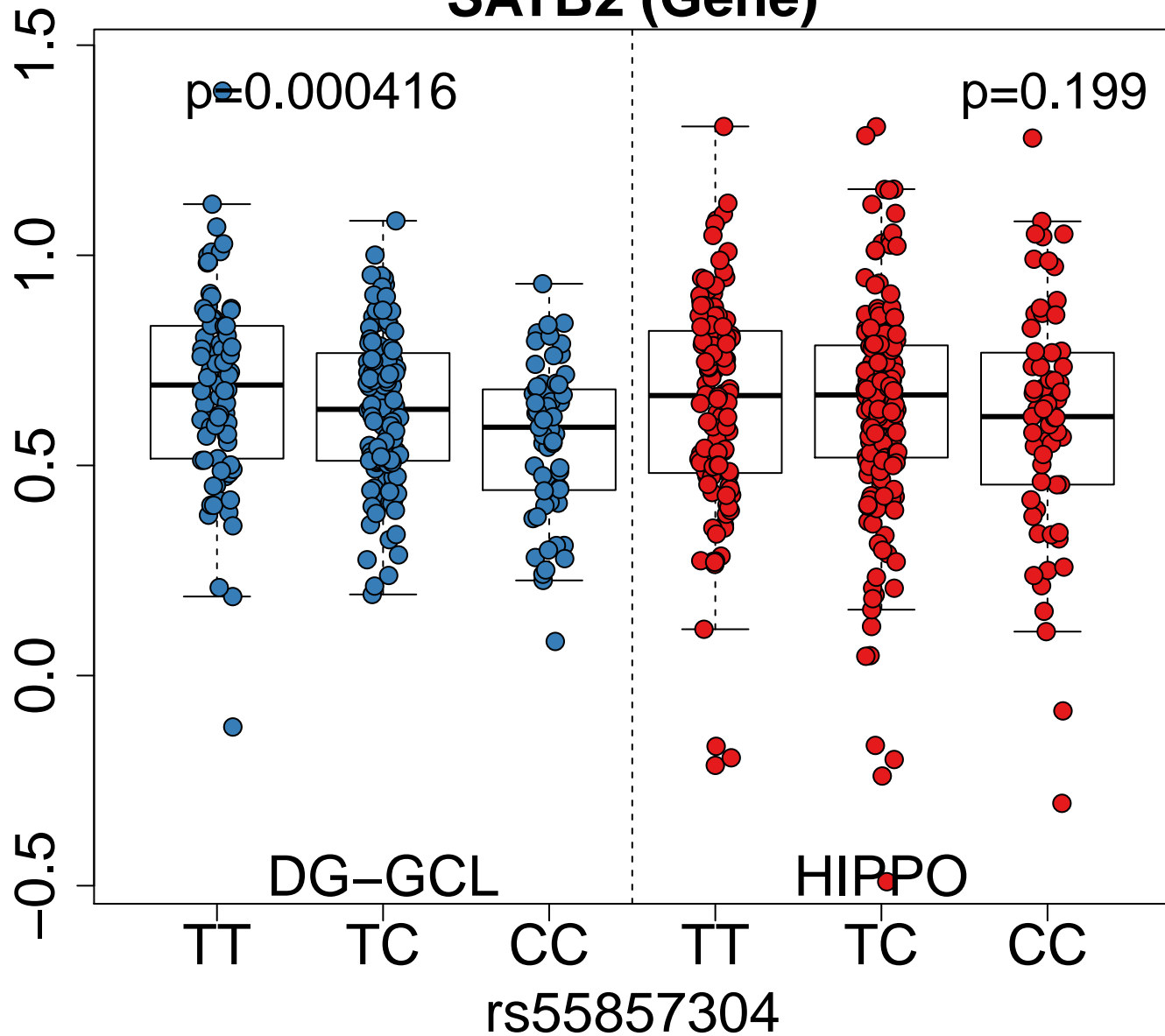
ENSG00000119042.16



Index: rs1451488 ($R^2=0.876$)

SATB2 (Gene)

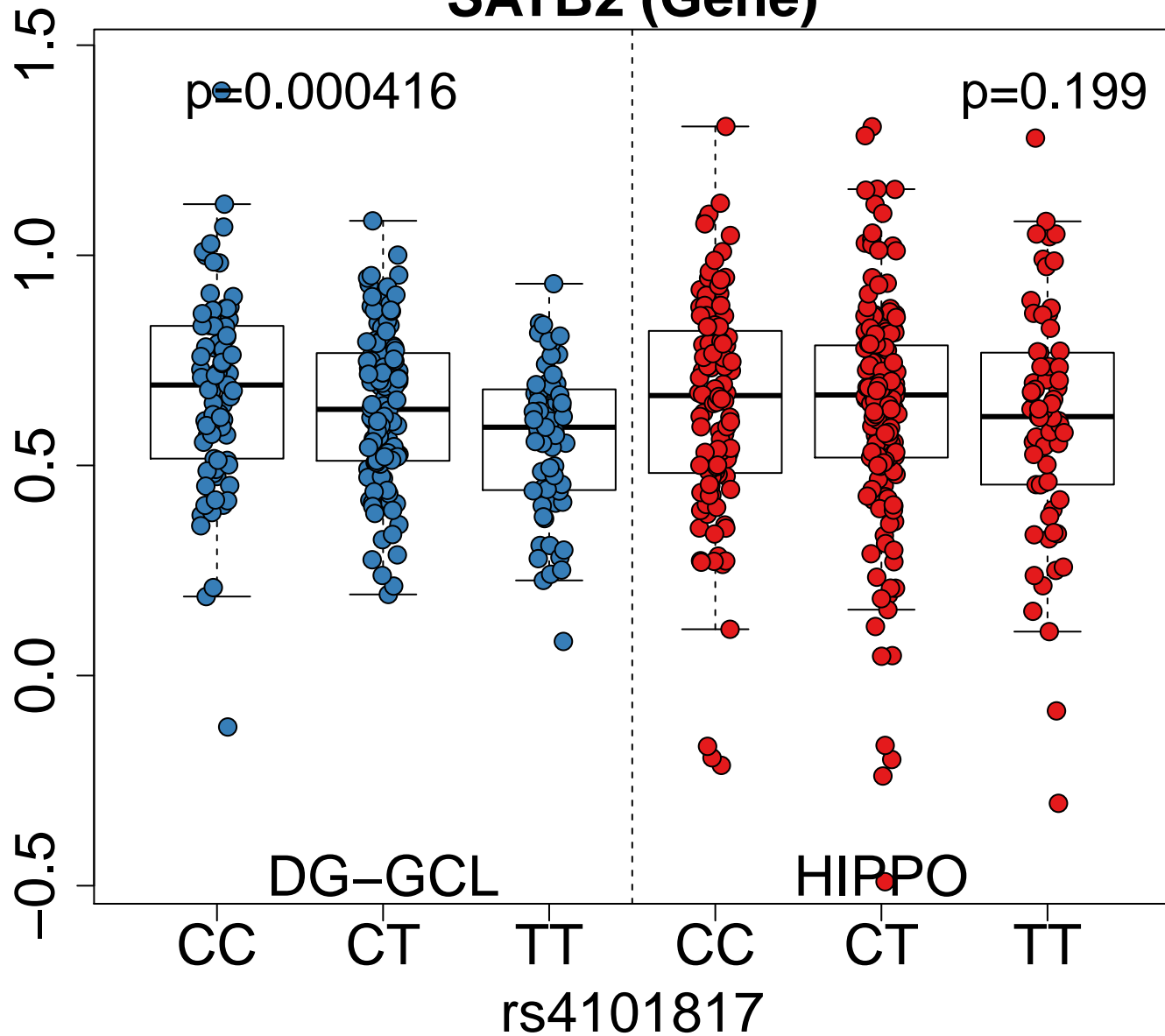
ENSG00000119042.16



Index: rs1451488 ($R^2=0.876$)

SATB2 (Gene)

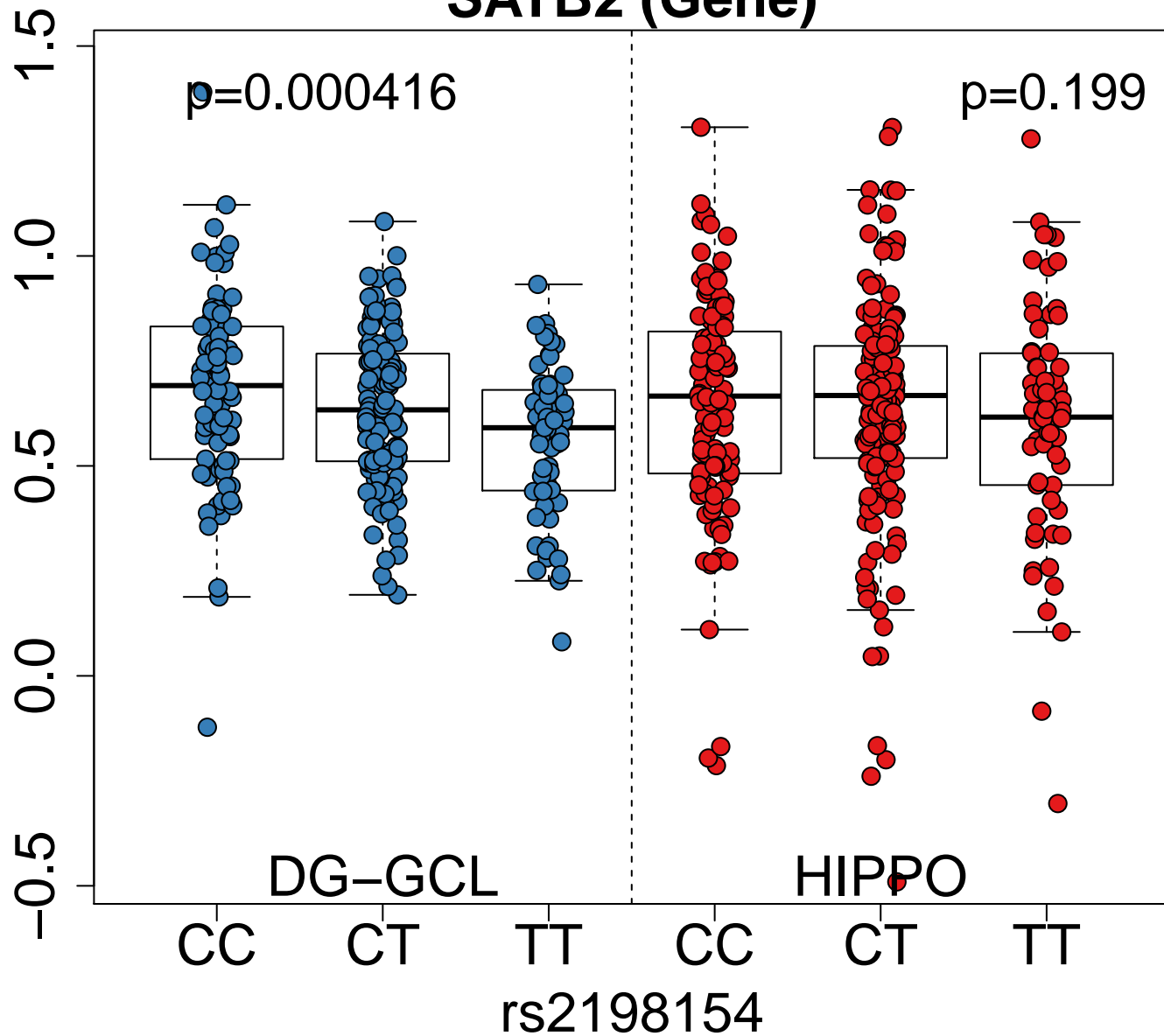
ENSG00000119042.16



Index: rs1451488 ($R^2=0.876$)

SATB2 (Gene)

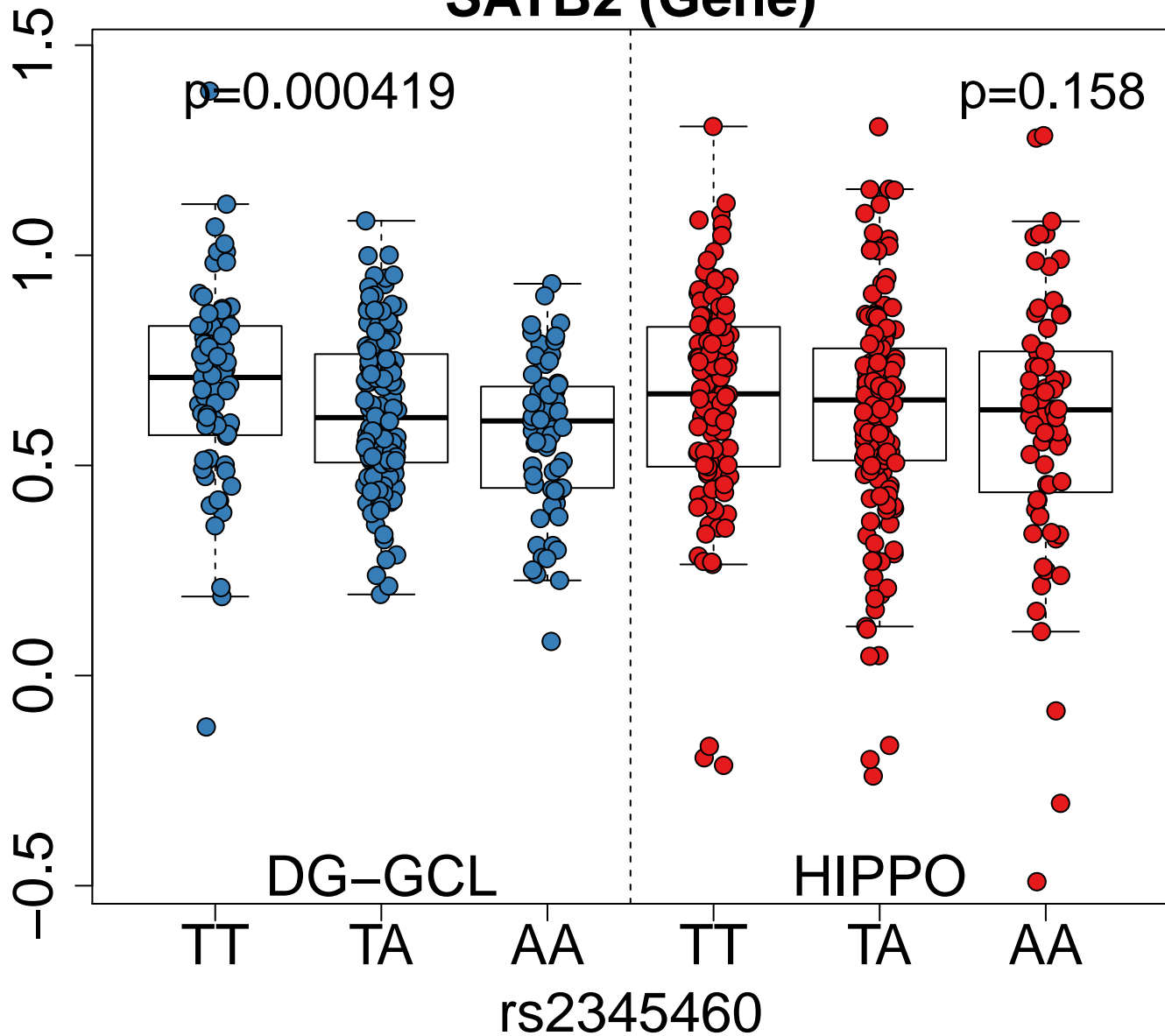
ENSG00000119042.16



Index: rs1451488 ($R^2=0.838$)

SATB2 (Gene)

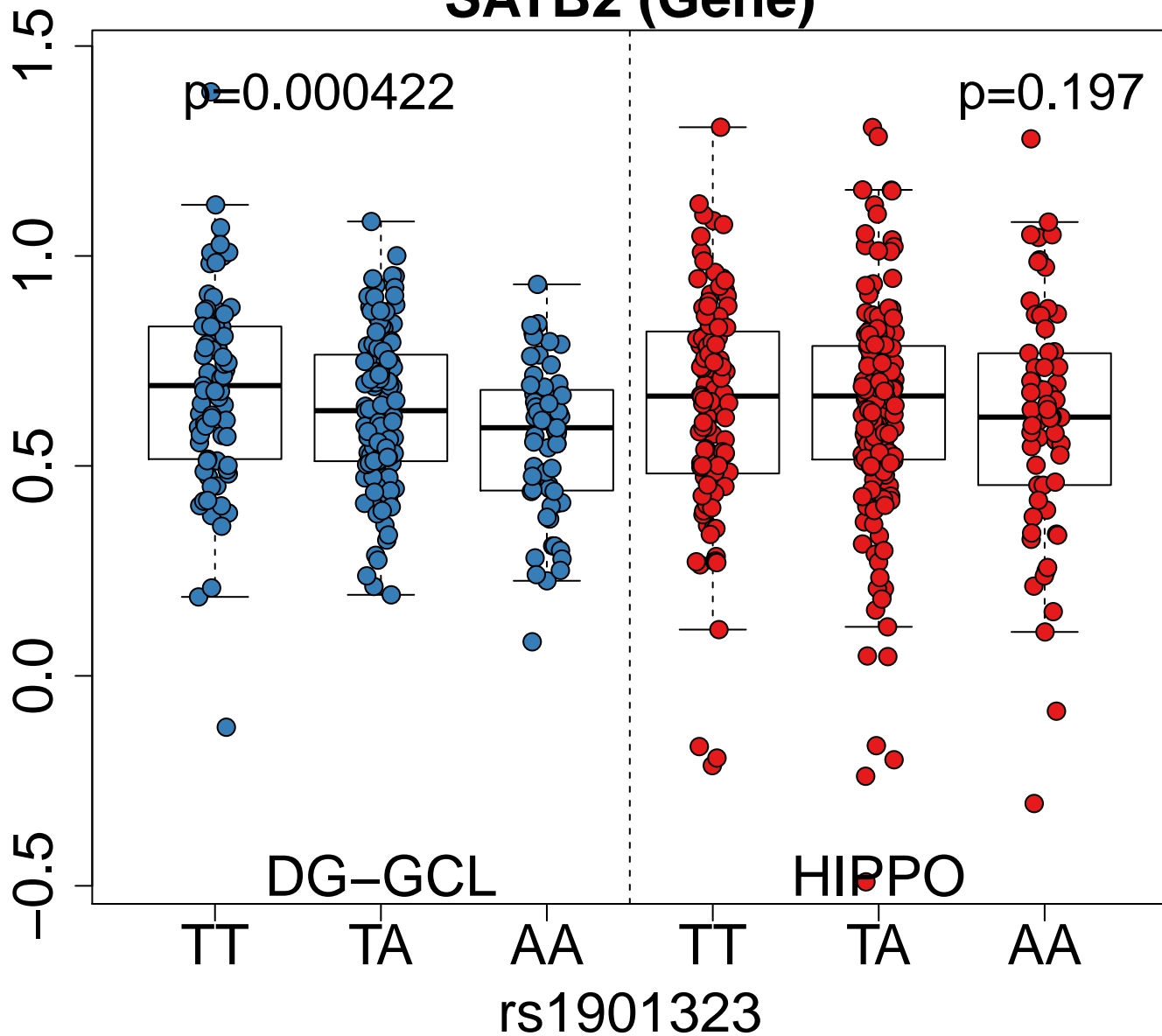
ENSG00000119042.16



Index: rs1451488 ($R^2=0.876$)

SATB2 (Gene)

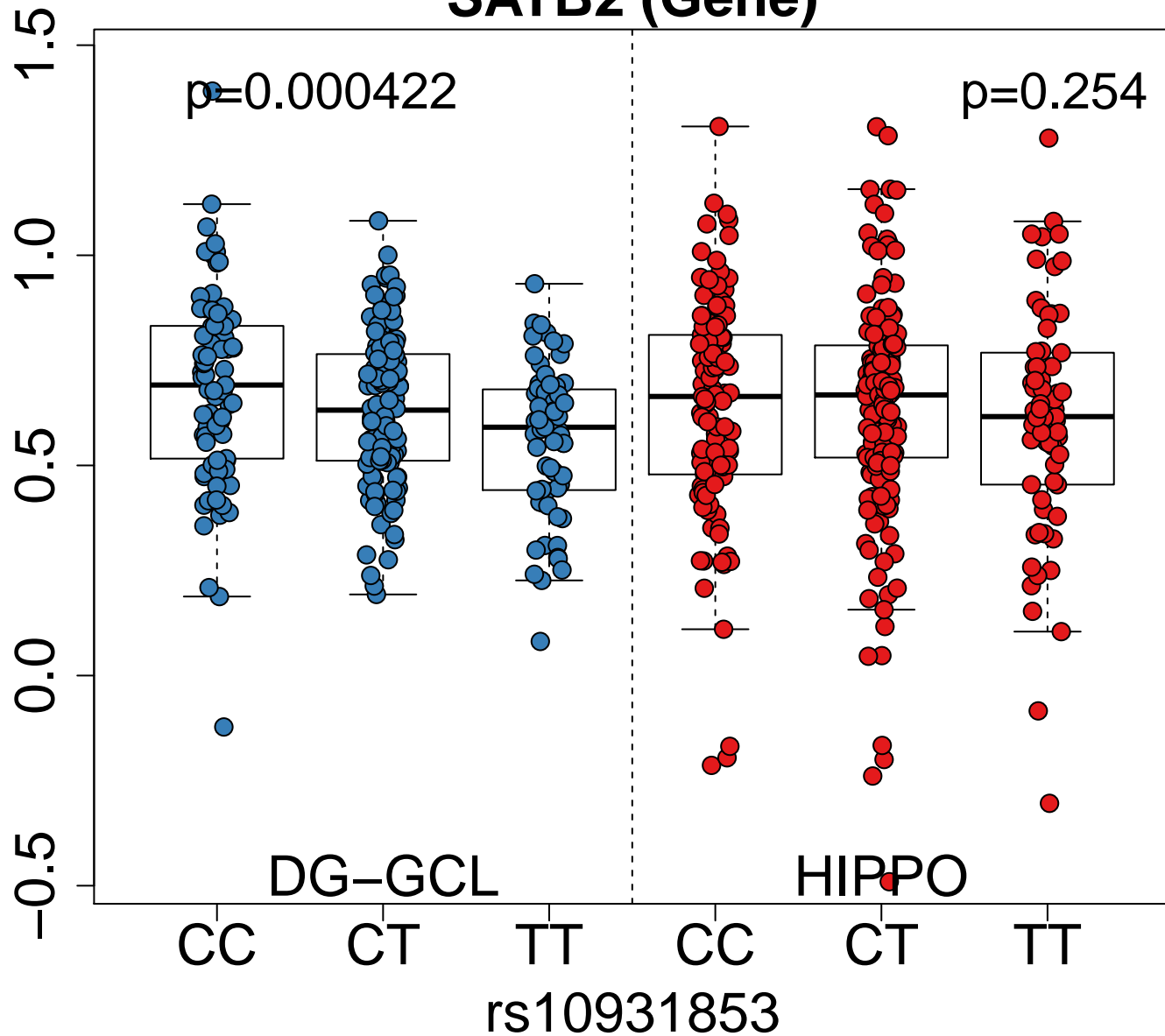
ENSG00000119042.16



Index: rs1451488 ($R^2=0.876$)

SATB2 (Gene)

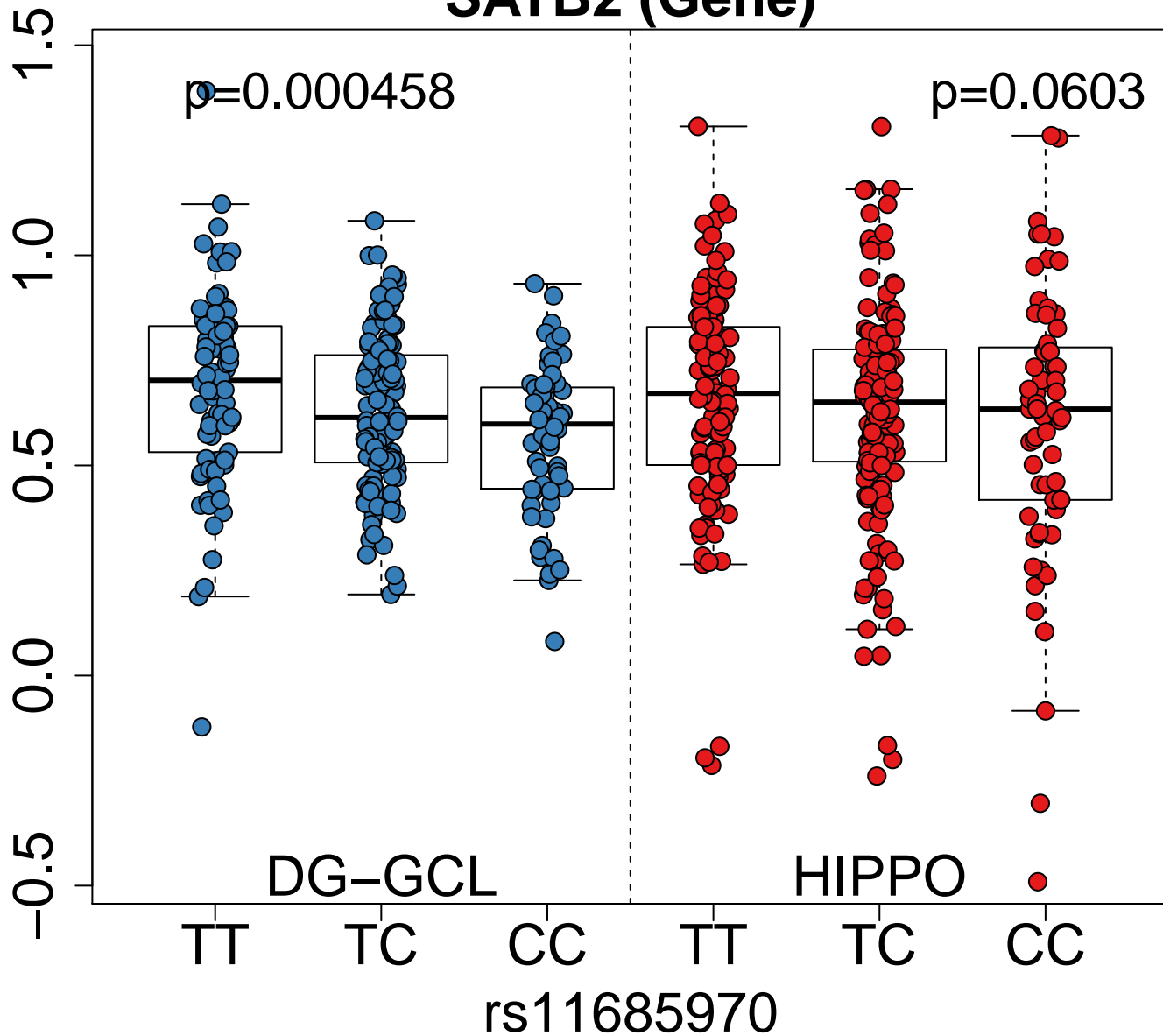
ENSG00000119042.16



Index: rs1451488 ($R^2=0.911$)

SATB2 (Gene)

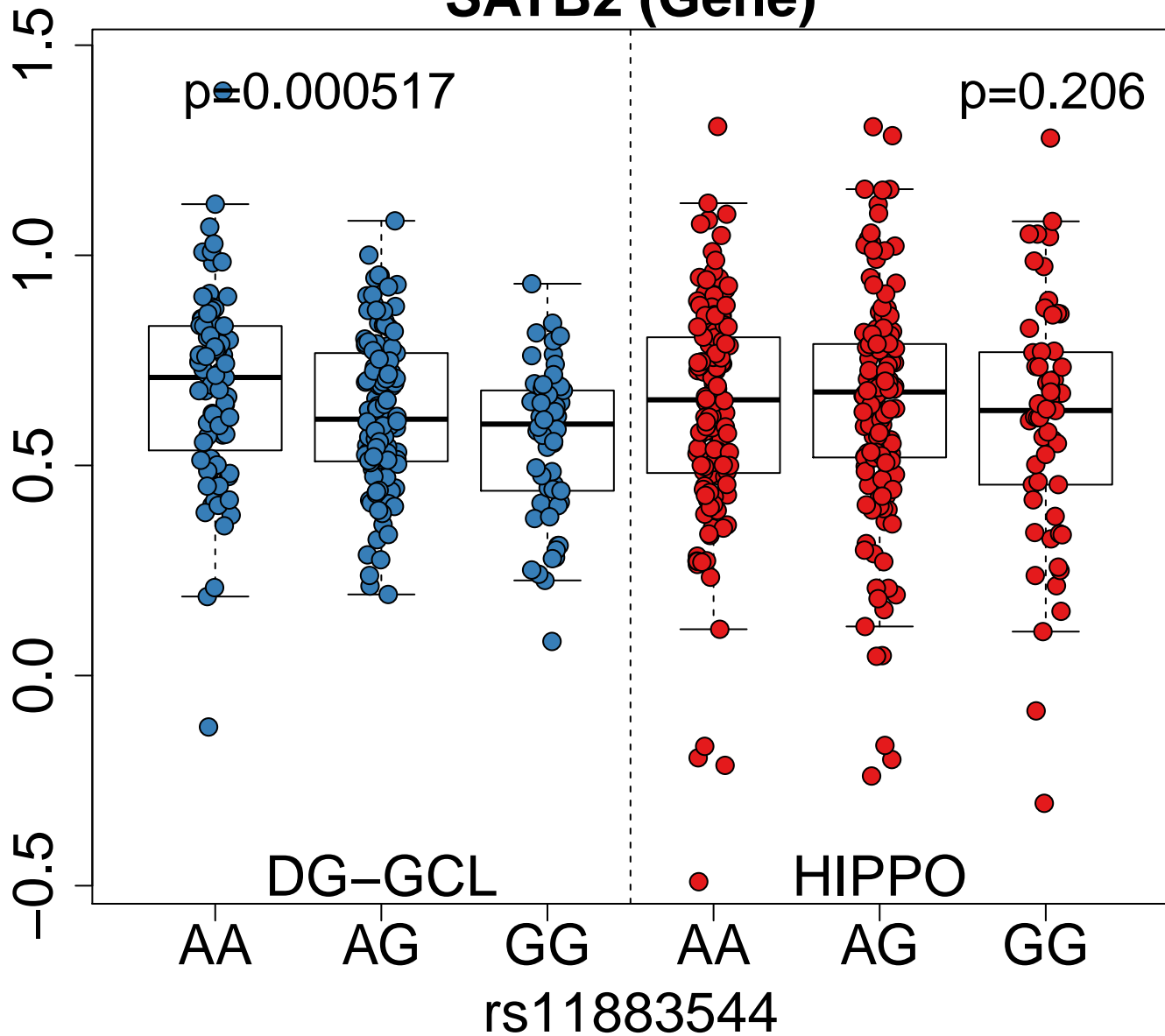
ENSG00000119042.16



Index: rs1451488 ($R^2=0.876$)

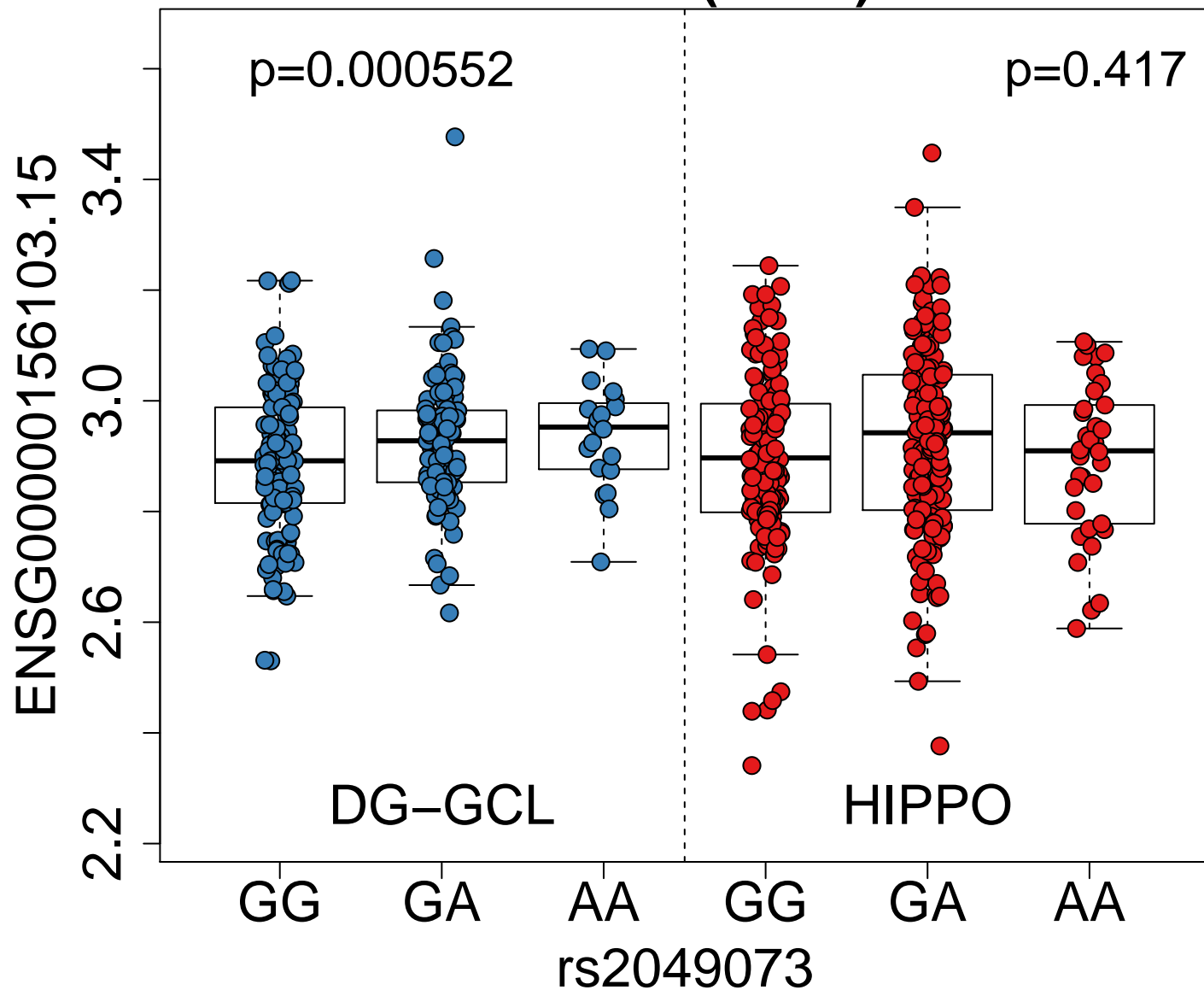
SATB2 (Gene)

ENSG00000119042.16



Index: rs7010876 ($R^2=0.863$)

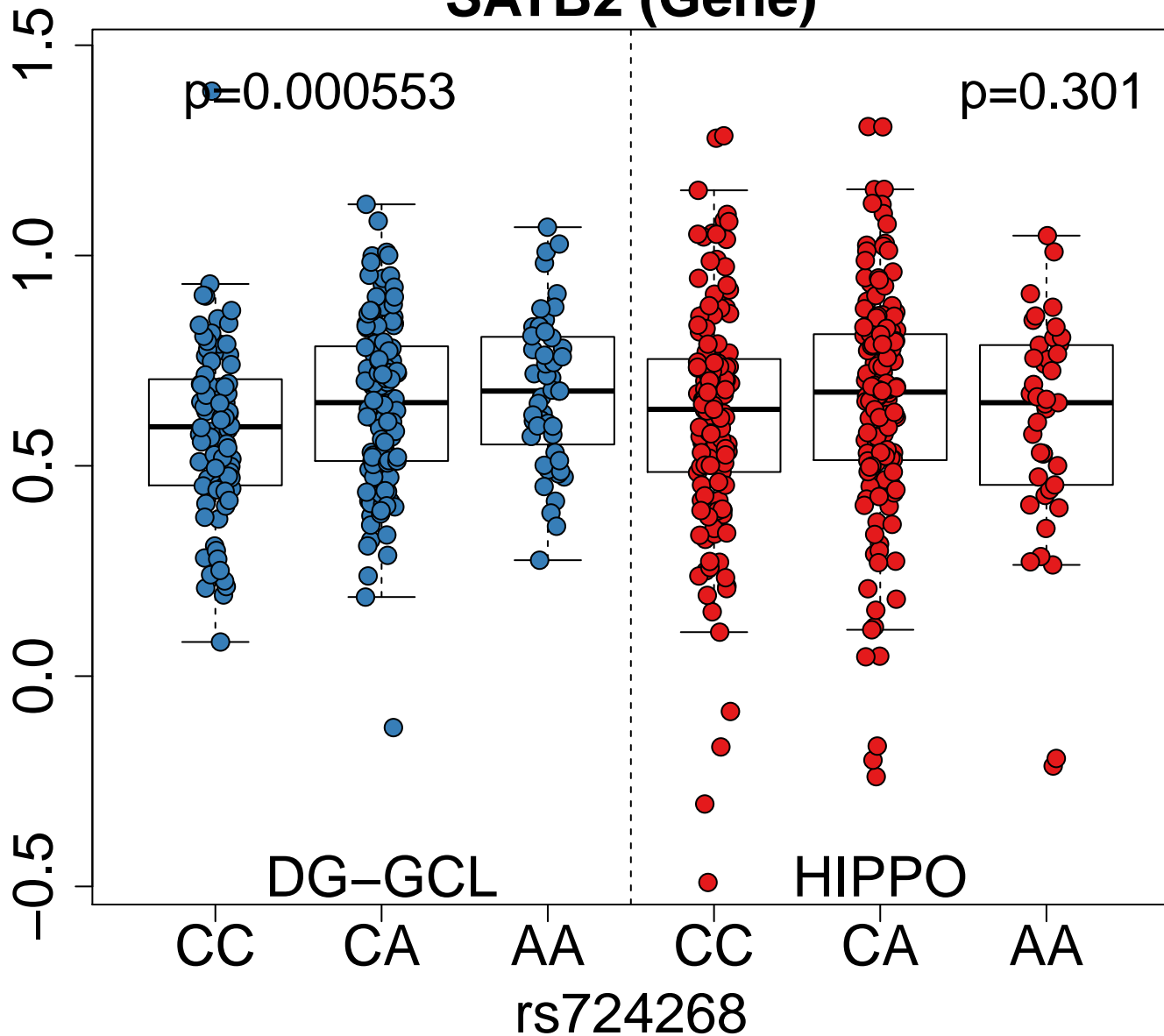
MMP16 (Gene)



Index: rs1451488 ($R^2=0.907$)

SATB2 (Gene)

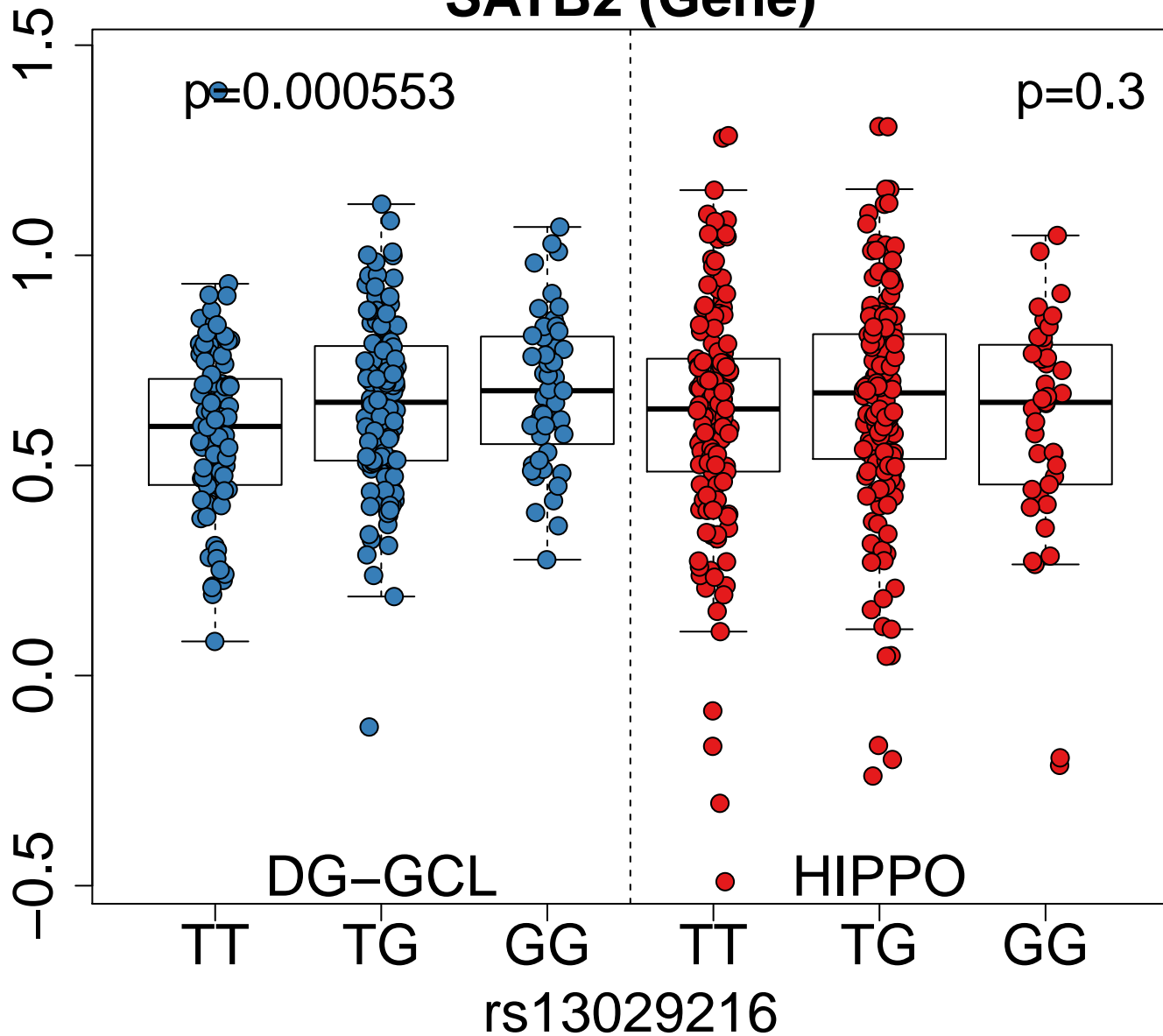
ENSG00000119042.16



Index: rs1451488 ($R^2=0.907$)

SATB2 (Gene)

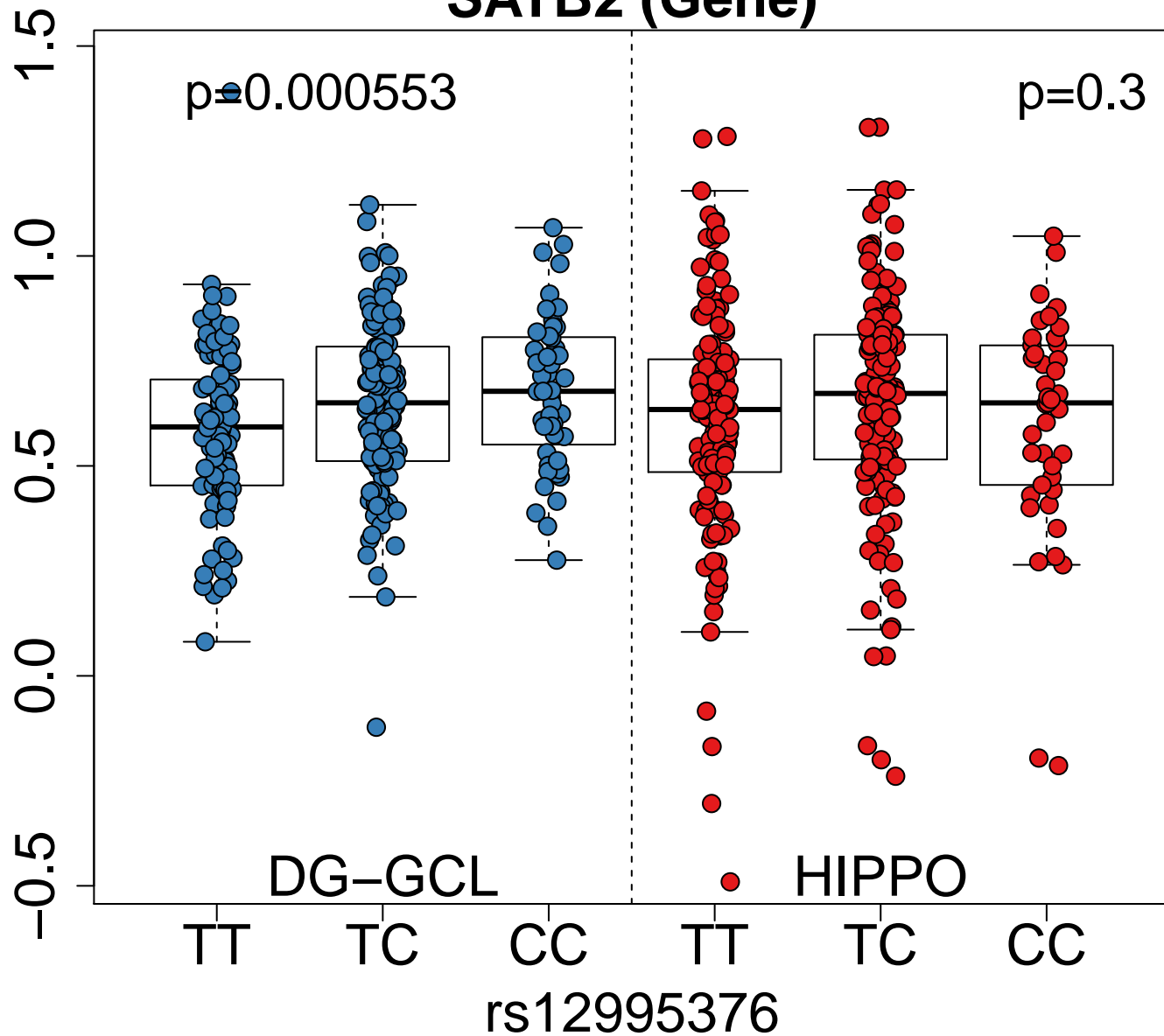
ENSG00000119042.16



Index: rs1451488 ($R^2=0.907$)

SATB2 (Gene)

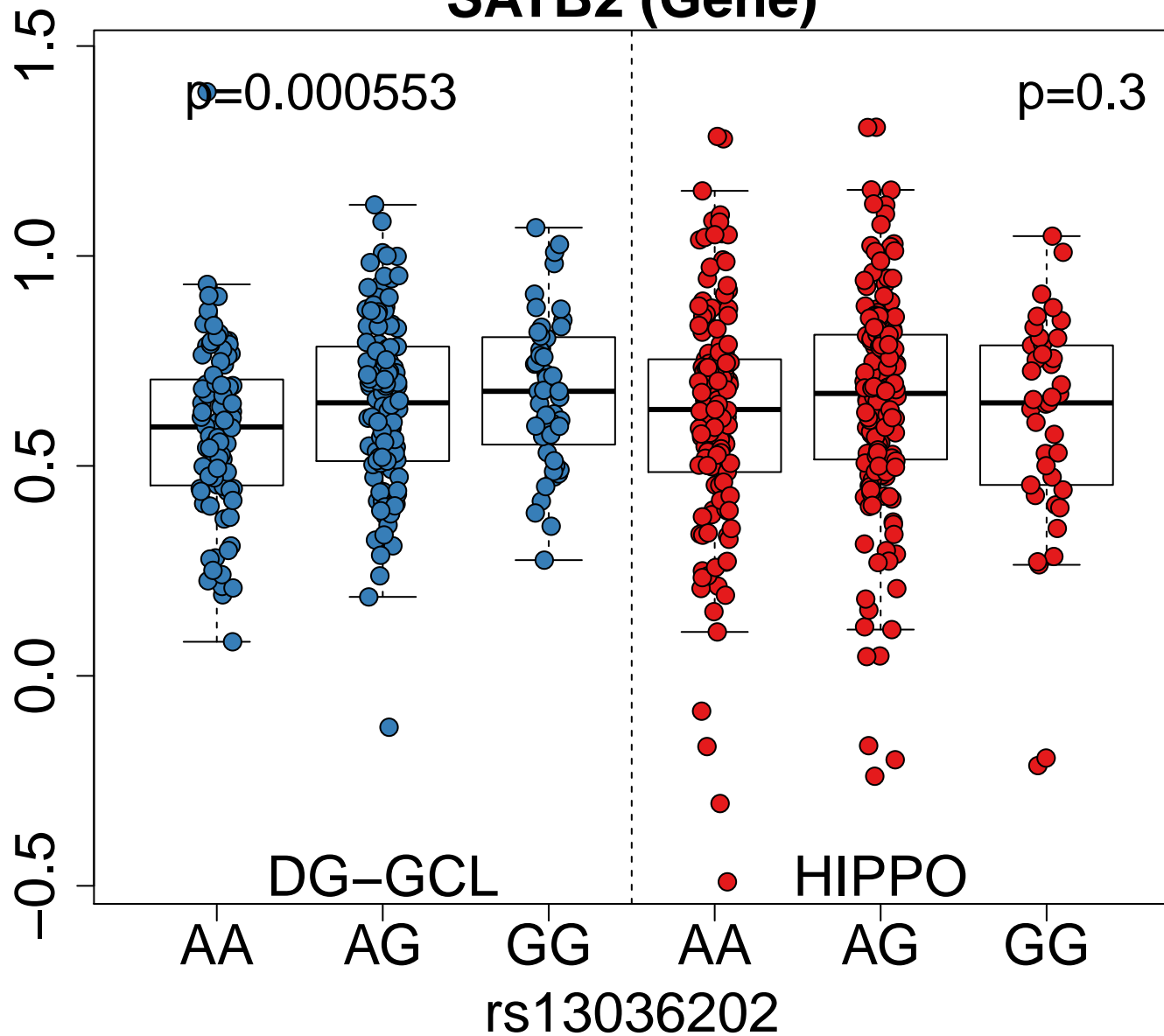
ENSG00000119042.16



Index: rs1451488 ($R^2=0.907$)

SATB2 (Gene)

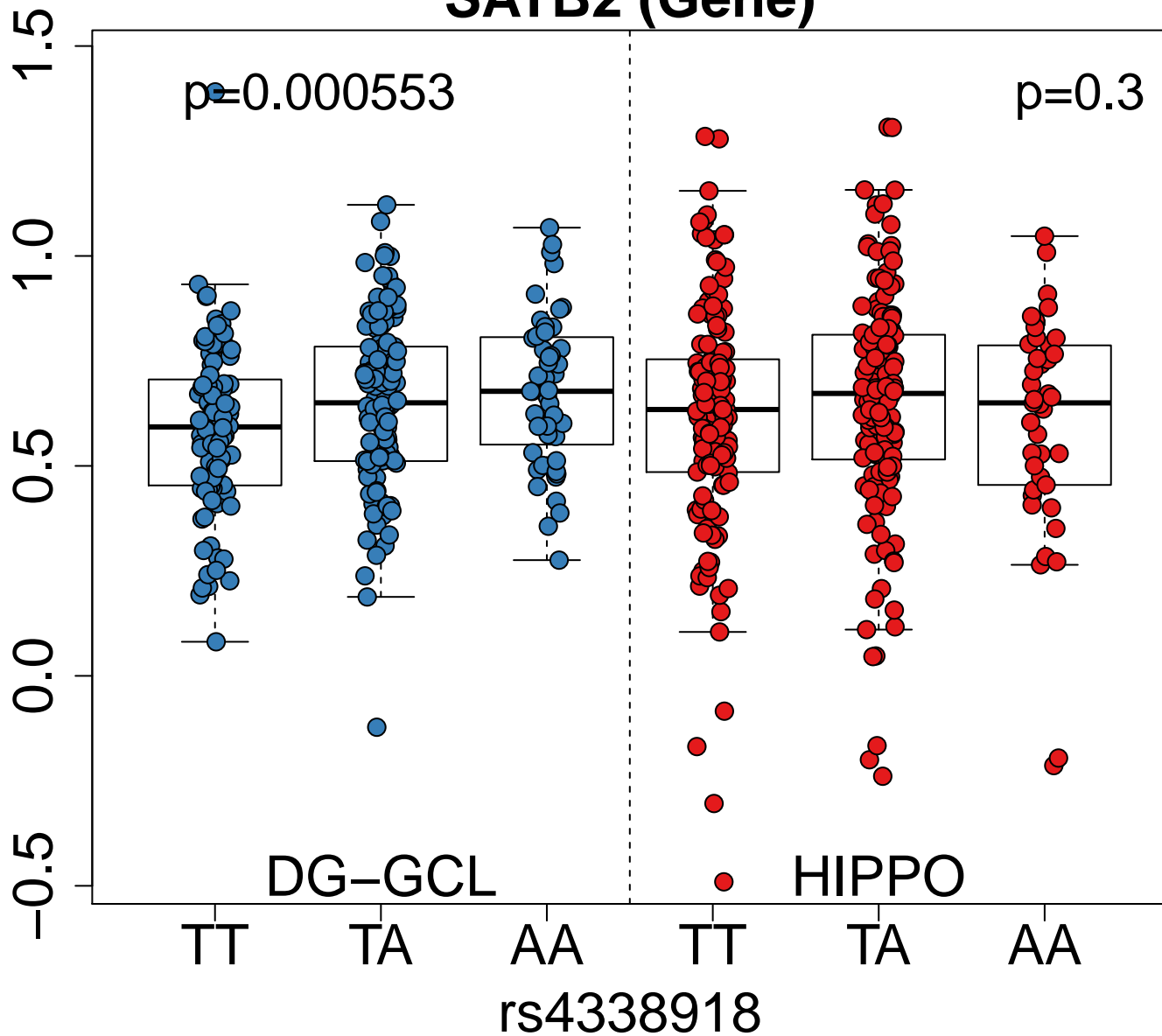
ENSG00000119042.16



Index: rs1451488 ($R^2=0.907$)

SATB2 (Gene)

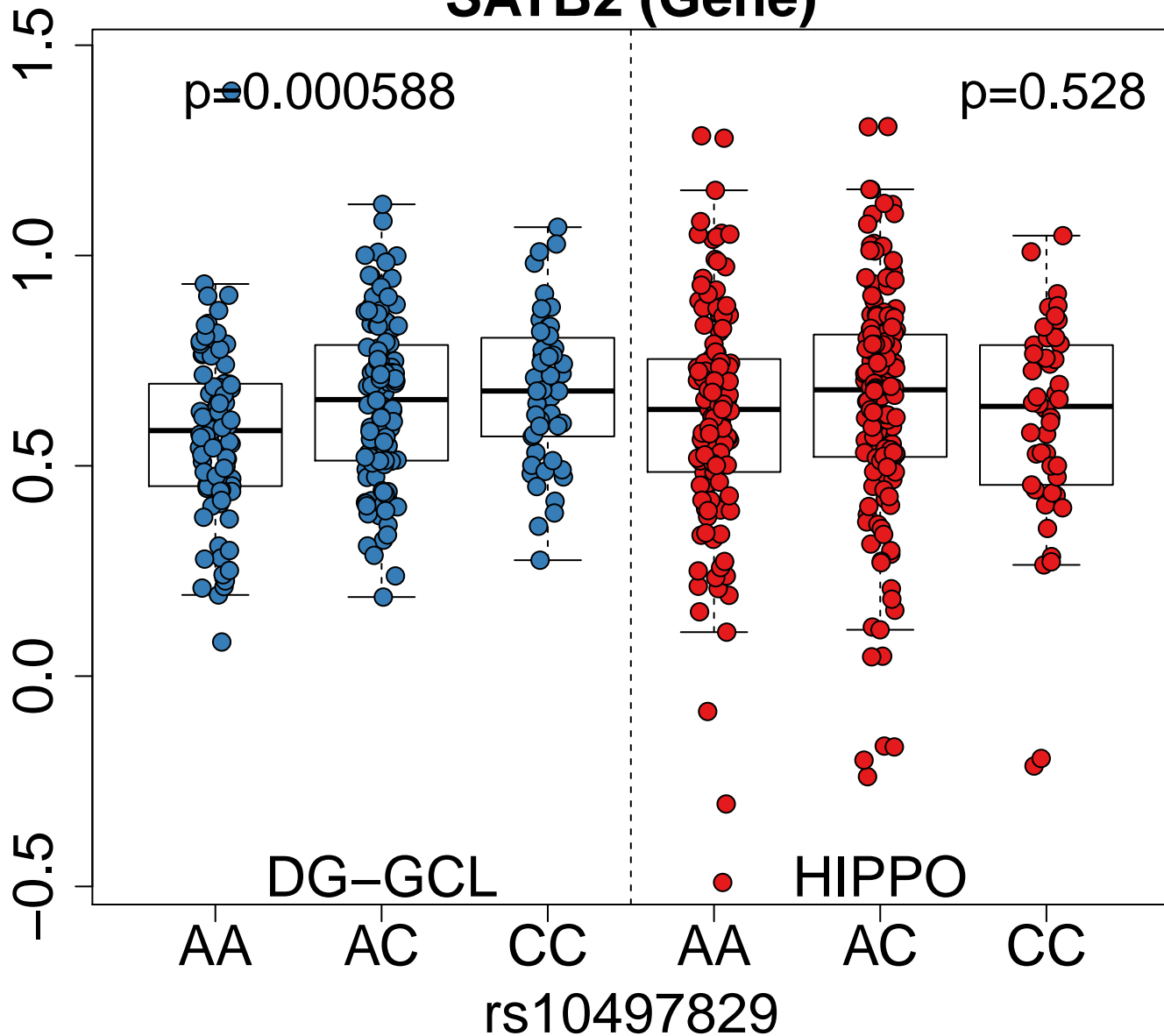
ENSG00000119042.16



Index: rs1451488 ($R^2=0.911$)

SATB2 (Gene)

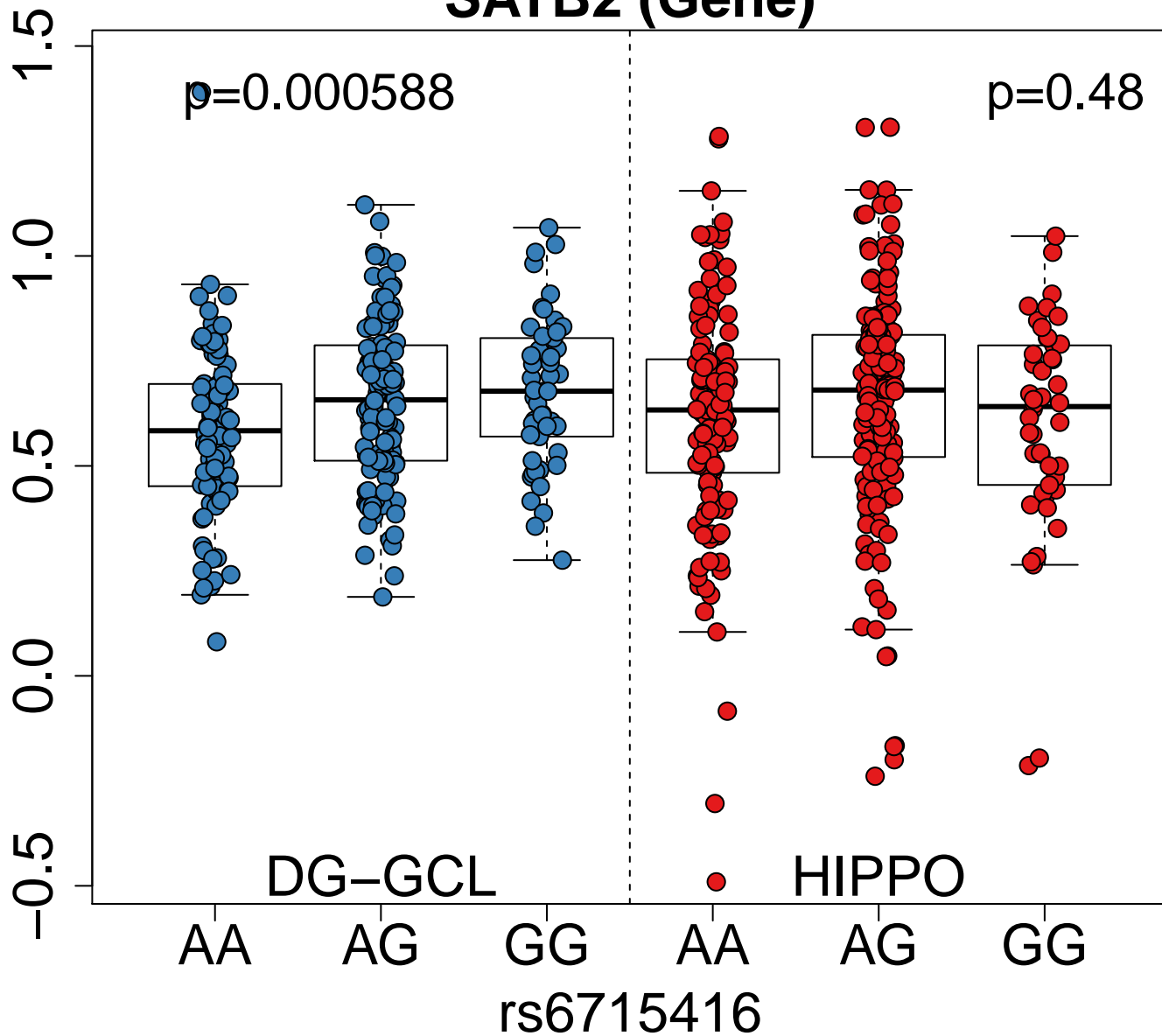
ENSG00000119042.16



Index: rs1451488 ($R^2=0.911$)

SATB2 (Gene)

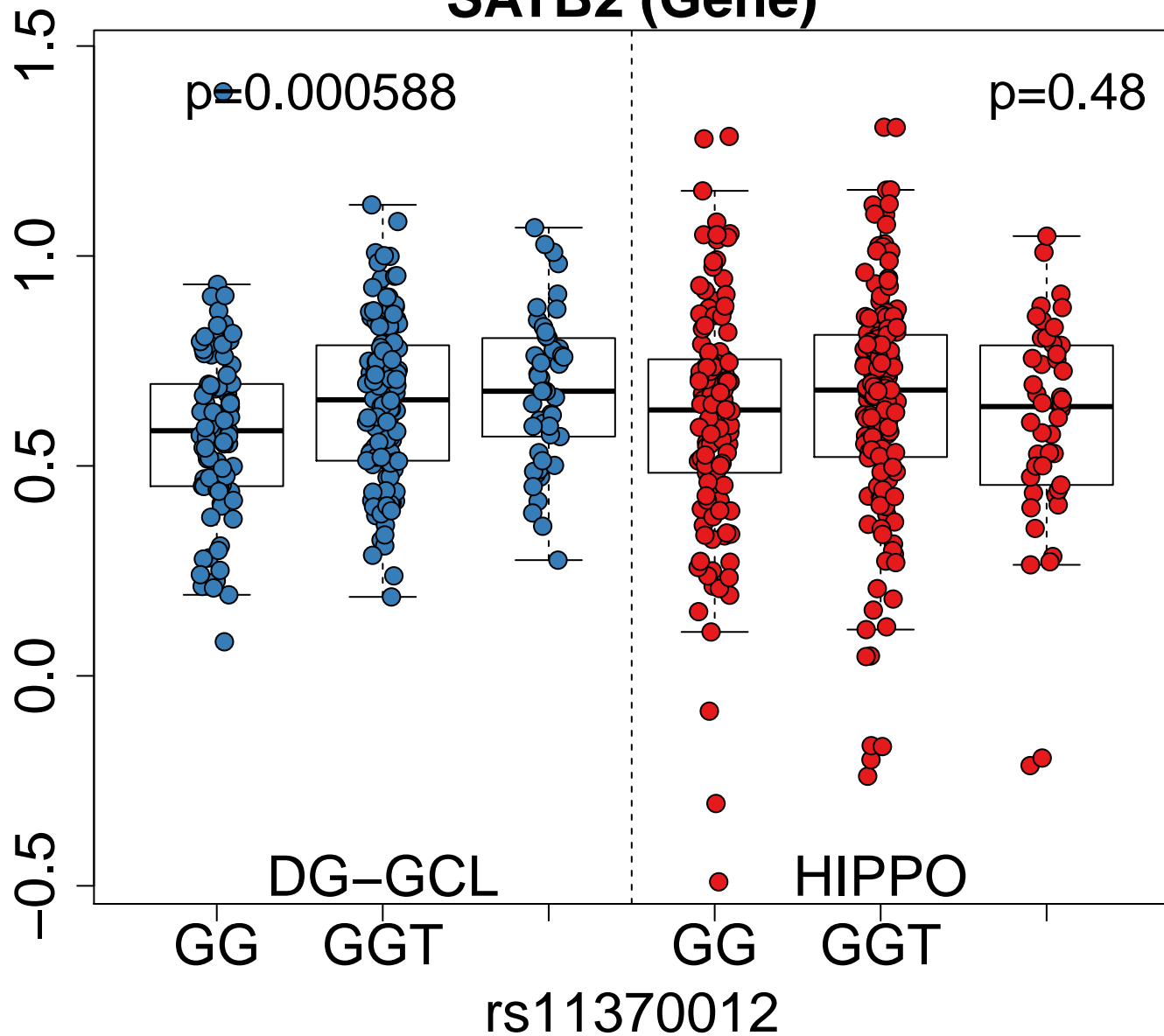
ENSG00000119042.16



Index: rs1451488 ($R^2=0.911$)

SATB2 (Gene)

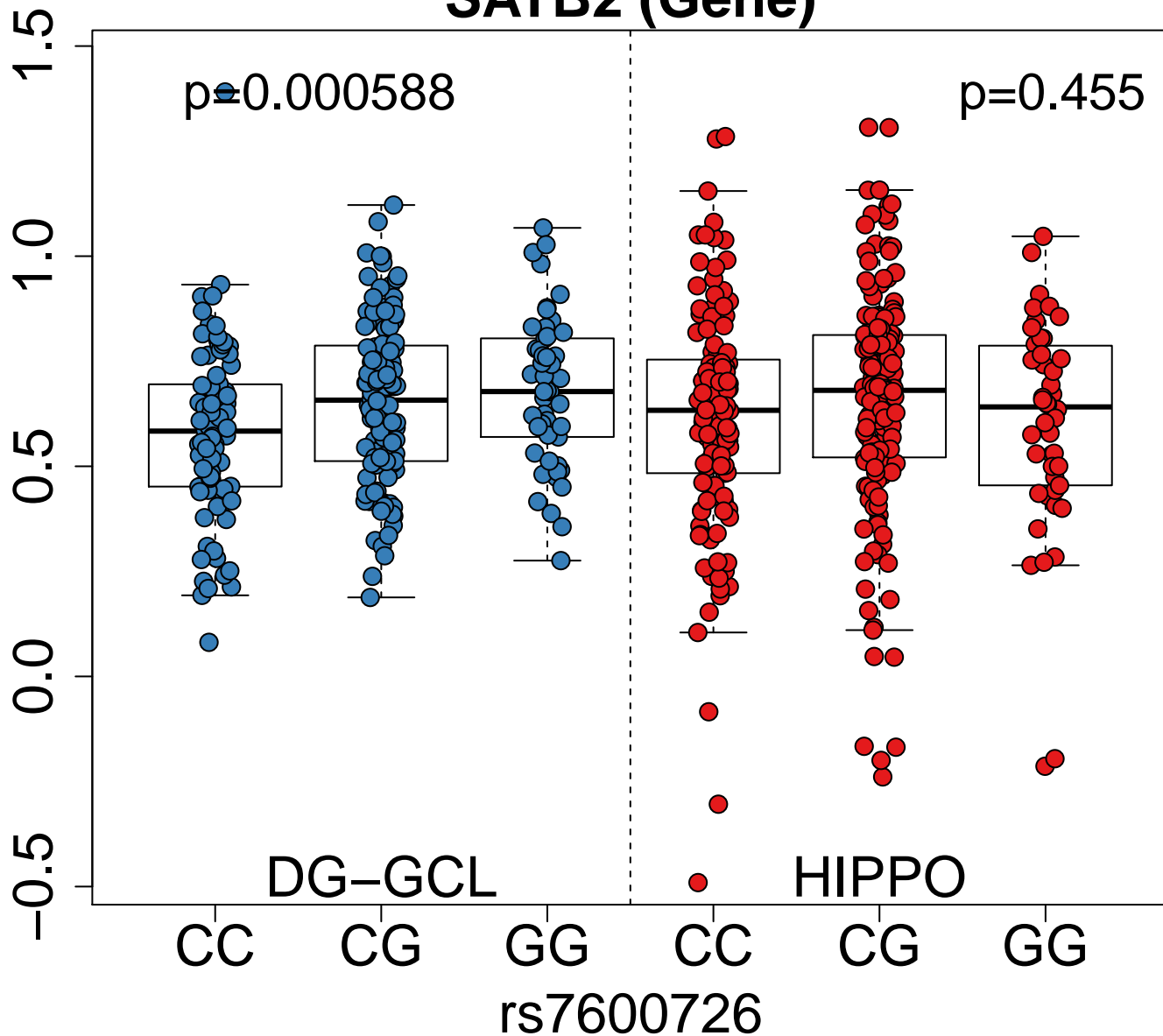
ENSG00000119042.16



Index: rs1451488 ($R^2=0.911$)

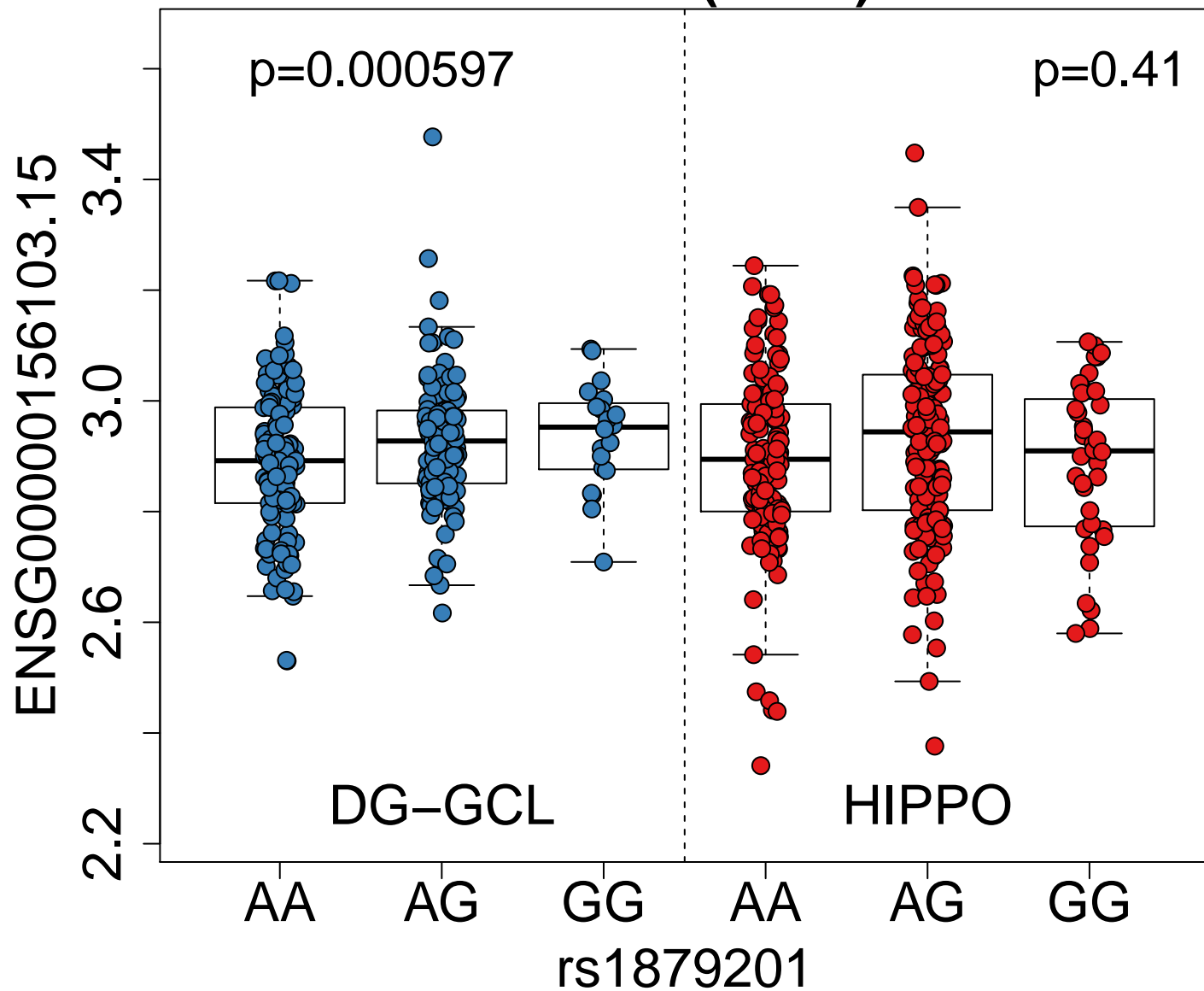
SATB2 (Gene)

ENSG00000119042.16

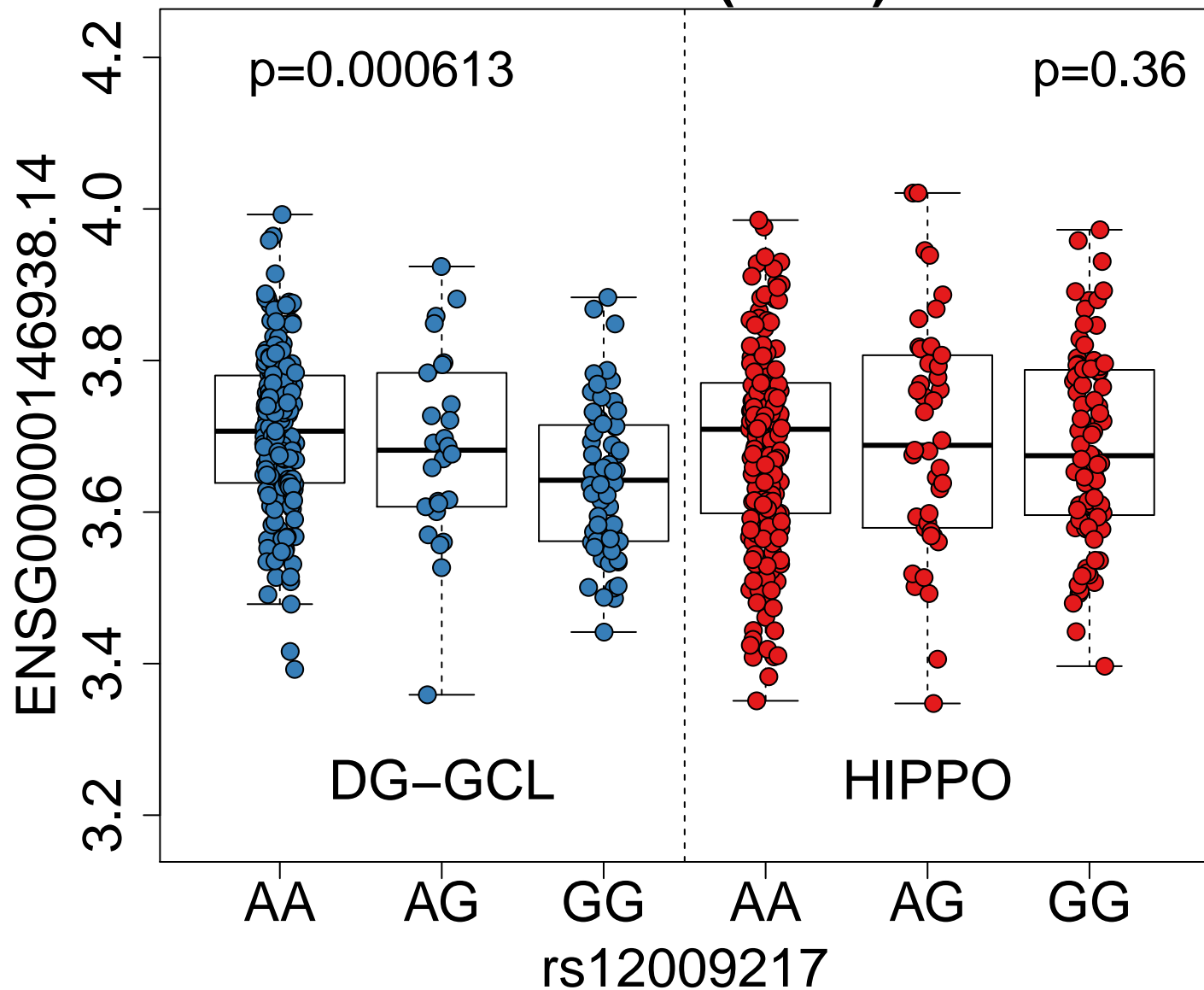


Index: rs7010876 ($R^2=0.858$)

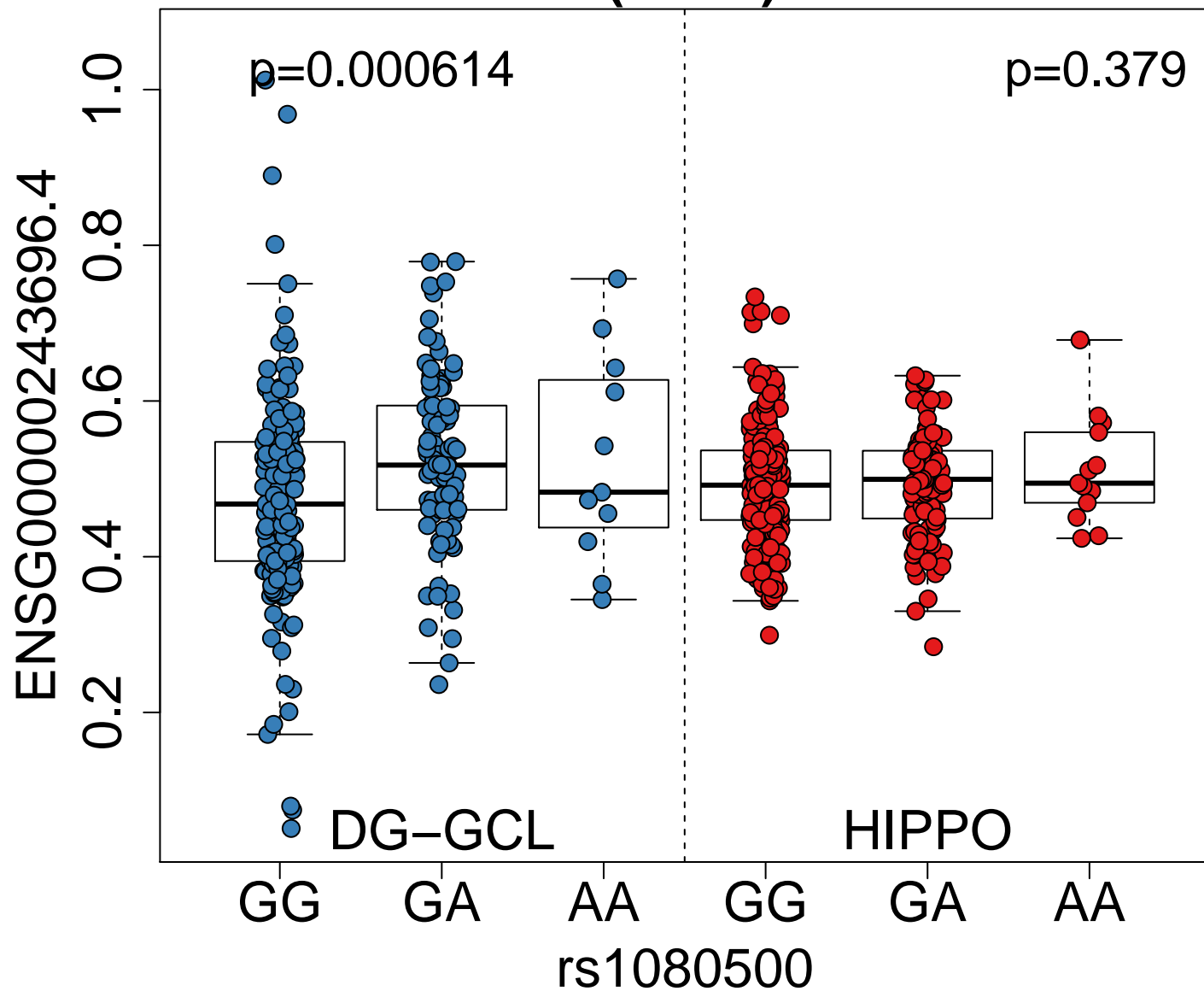
MMP16 (Gene)



Index: rs12009217 ($R^2=1$)
NLGN4X (Gene)



Index: rs1080500 ($R^2=1$)
(Gene)



Index: rs1451488 ($R^2=0.907$)

SATB2 (Gene)

ENSG00000119042.16

